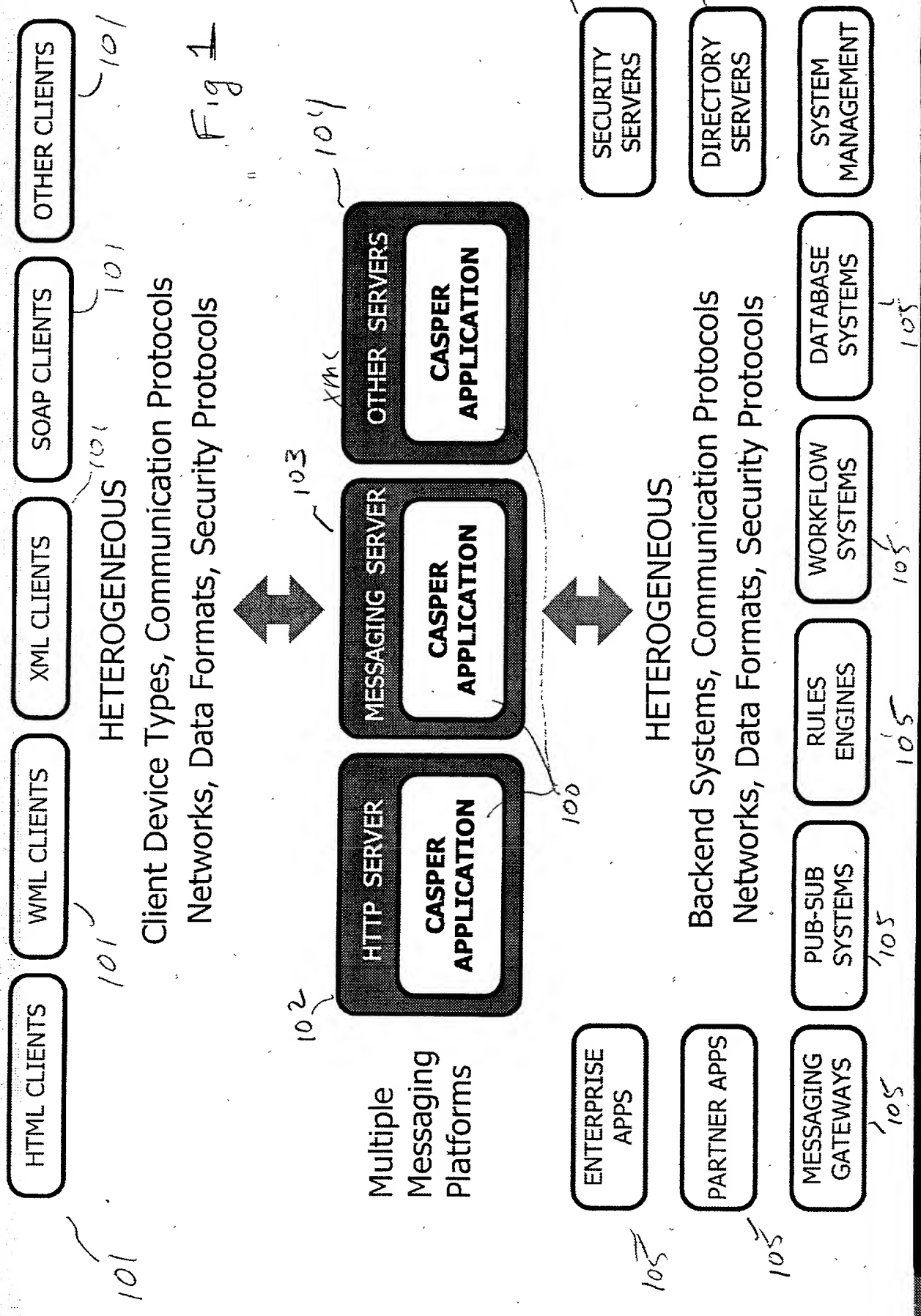
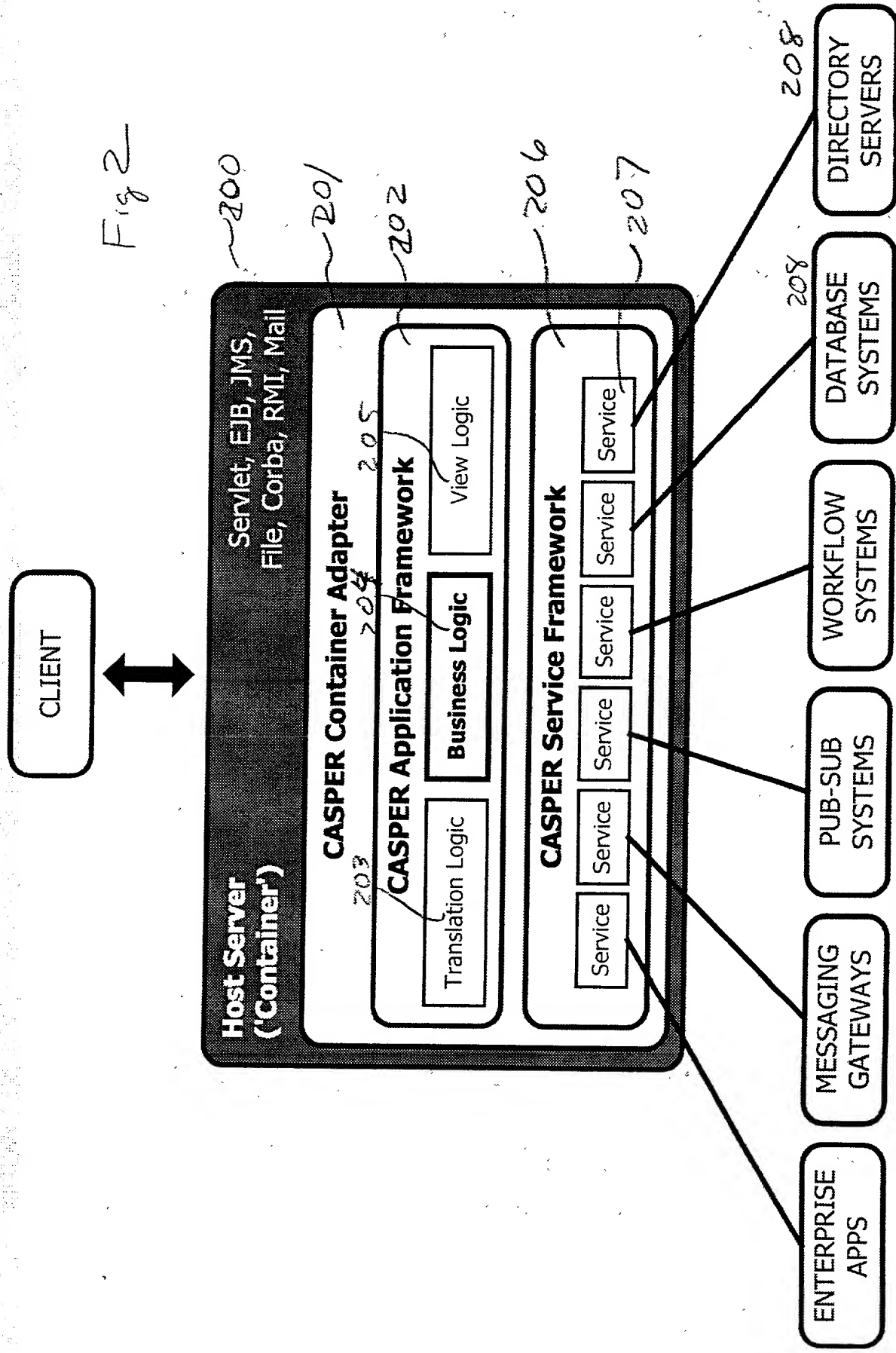


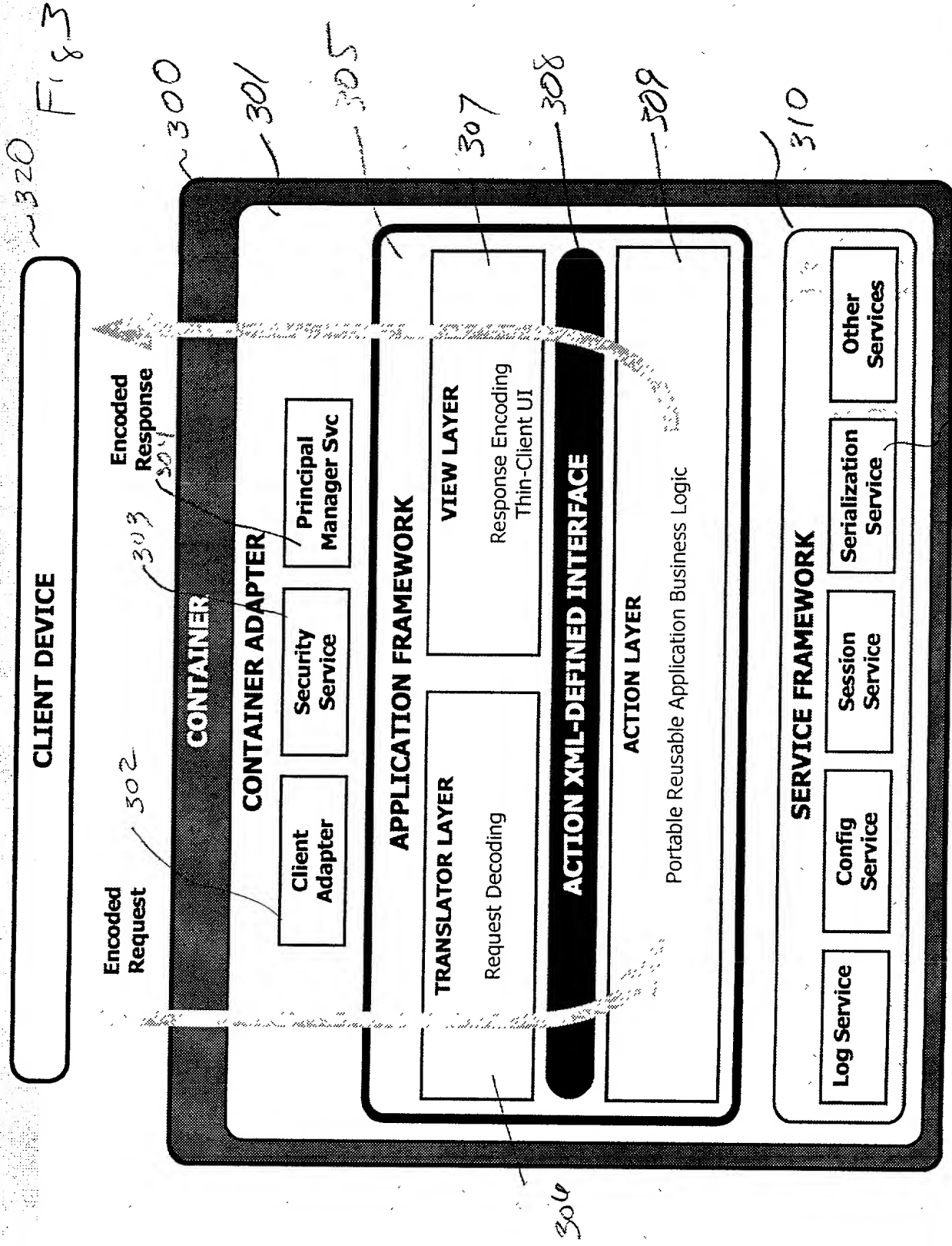
# Heterogeneous Distributed Environment



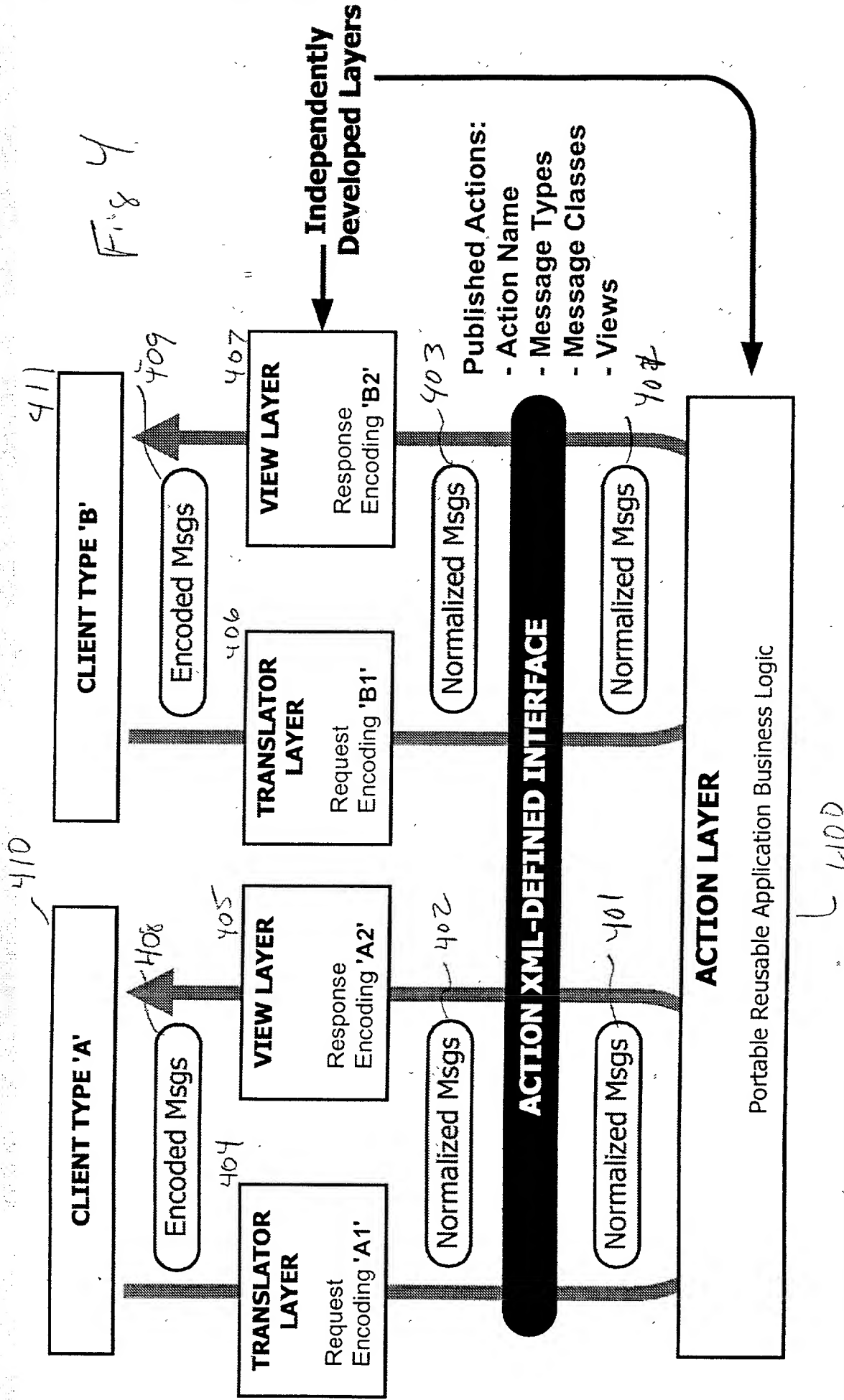
# Container and Framework Overview



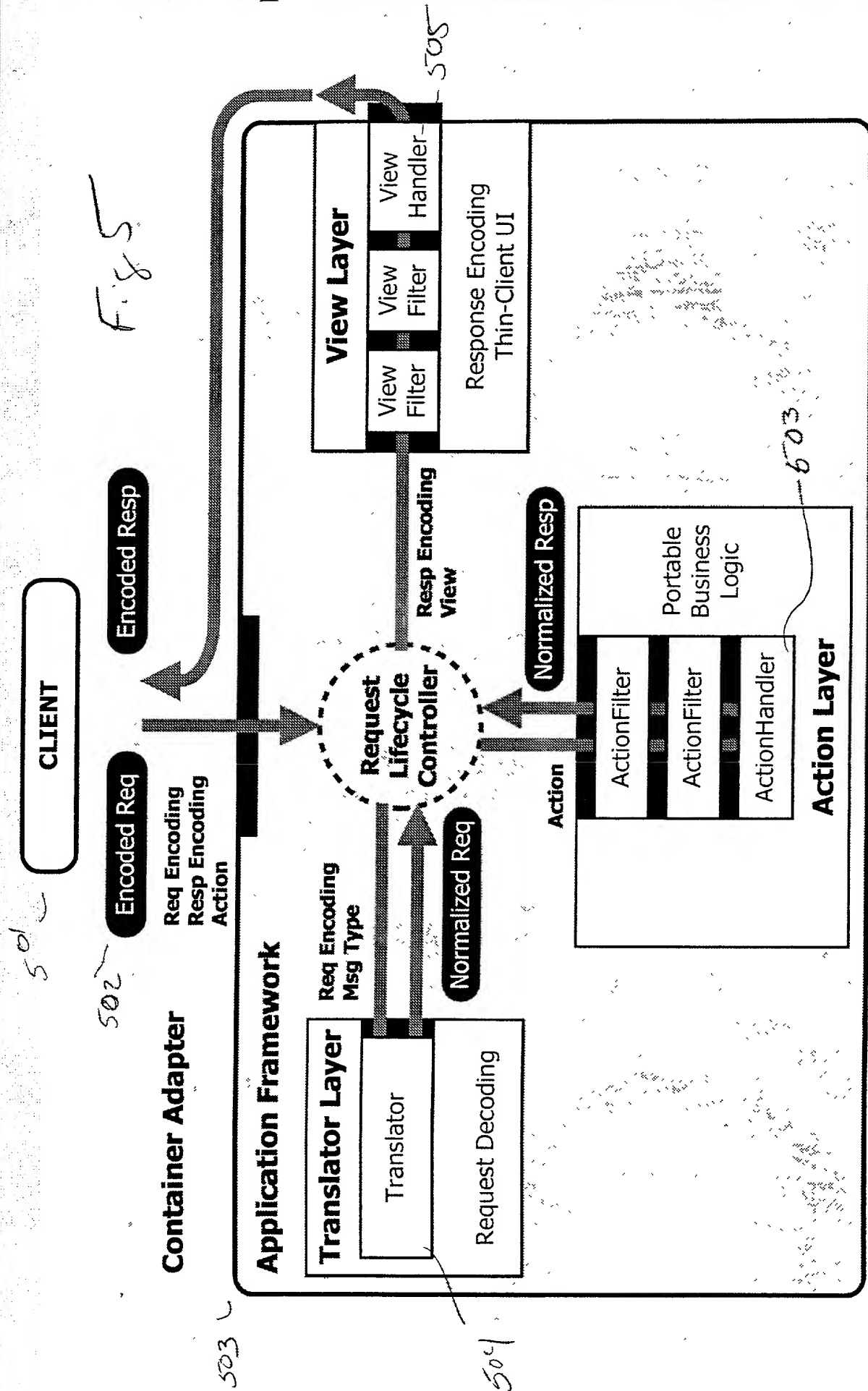
# Application Framework Overview



# Published XML-Defined Action Interface



# Application Request Lifecycle Overview



# Application Request Sequence Overview

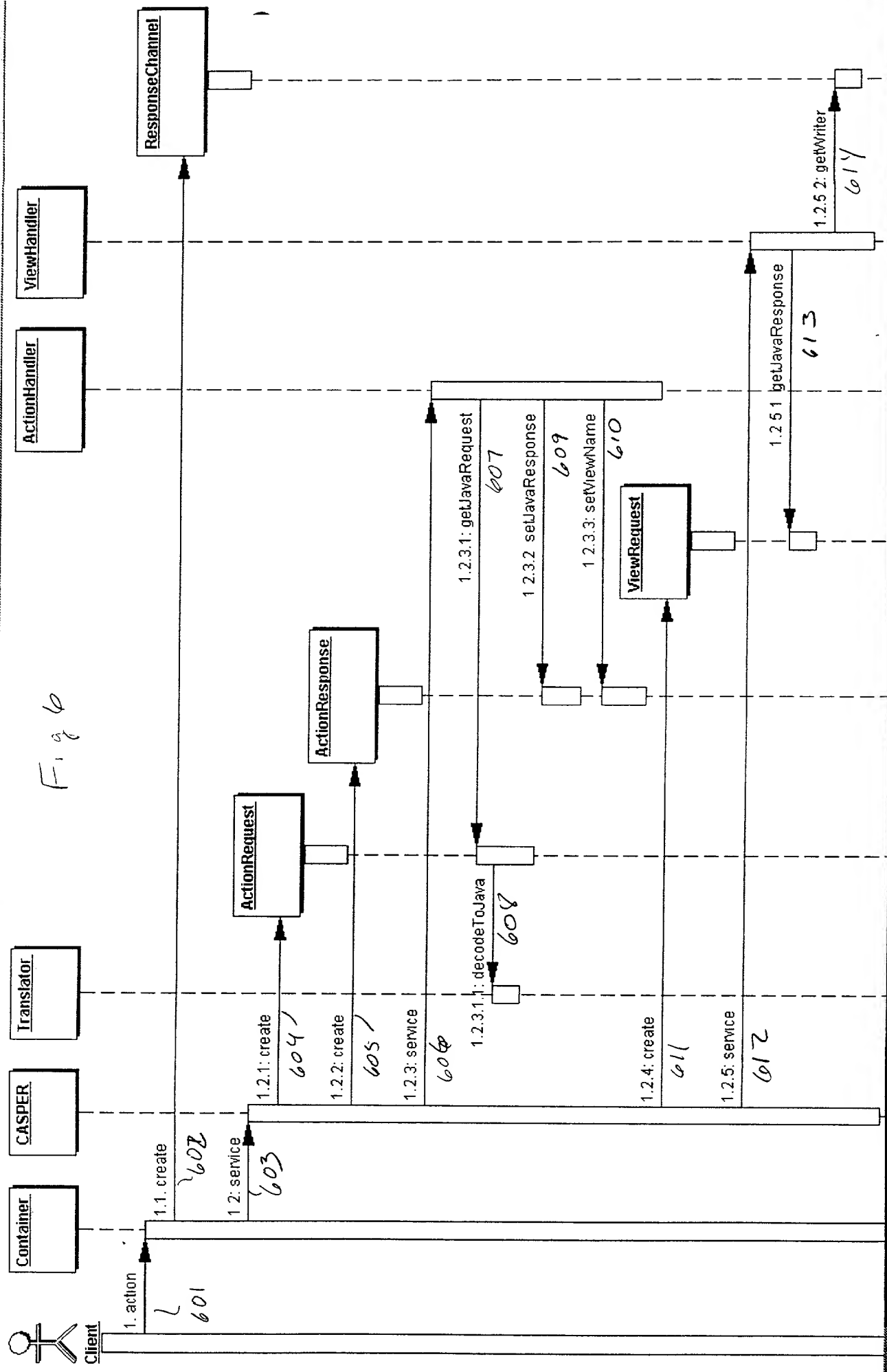
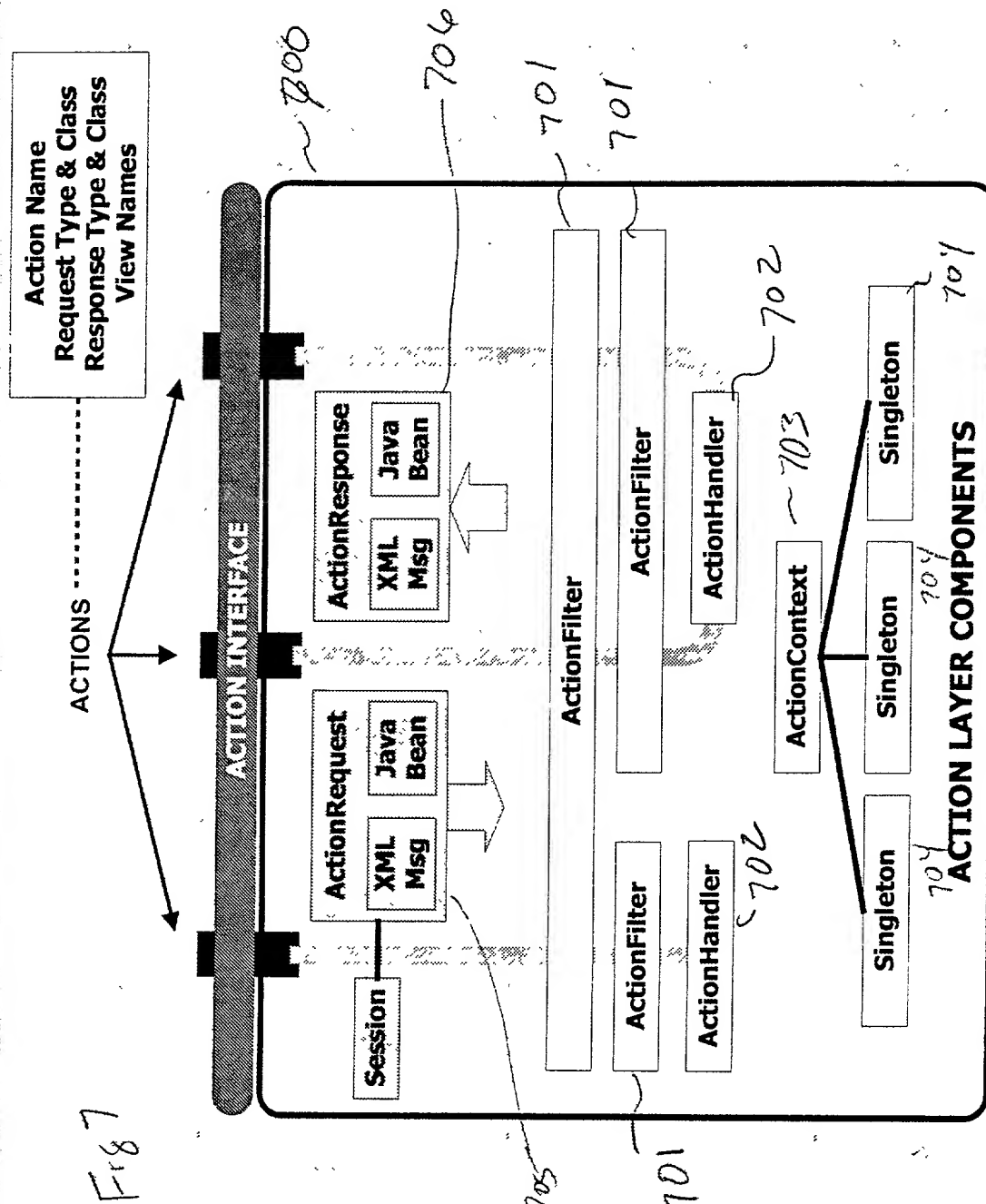


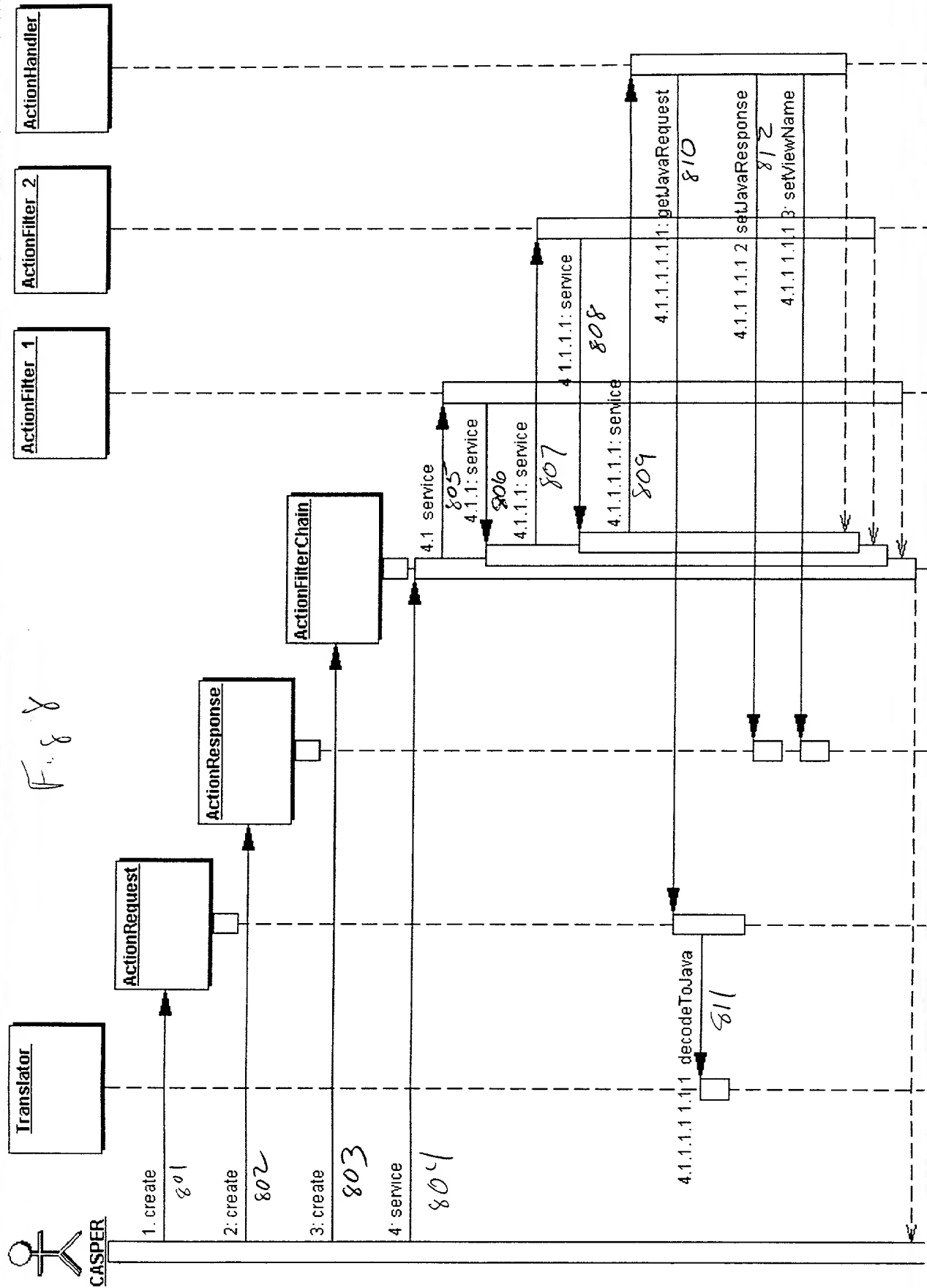
Fig 6

# Action Layer Components



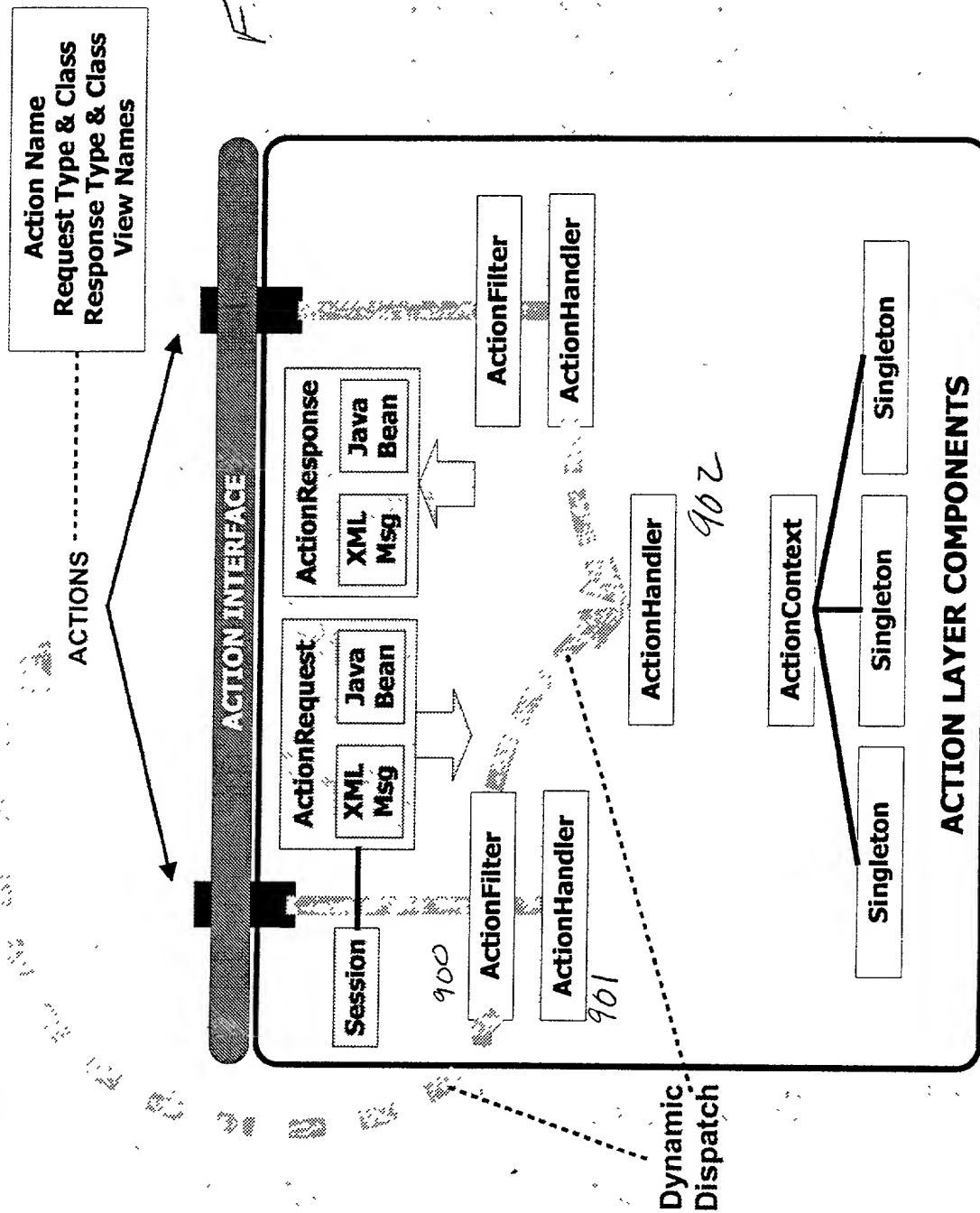


# Action Layer Request Sequence Overview

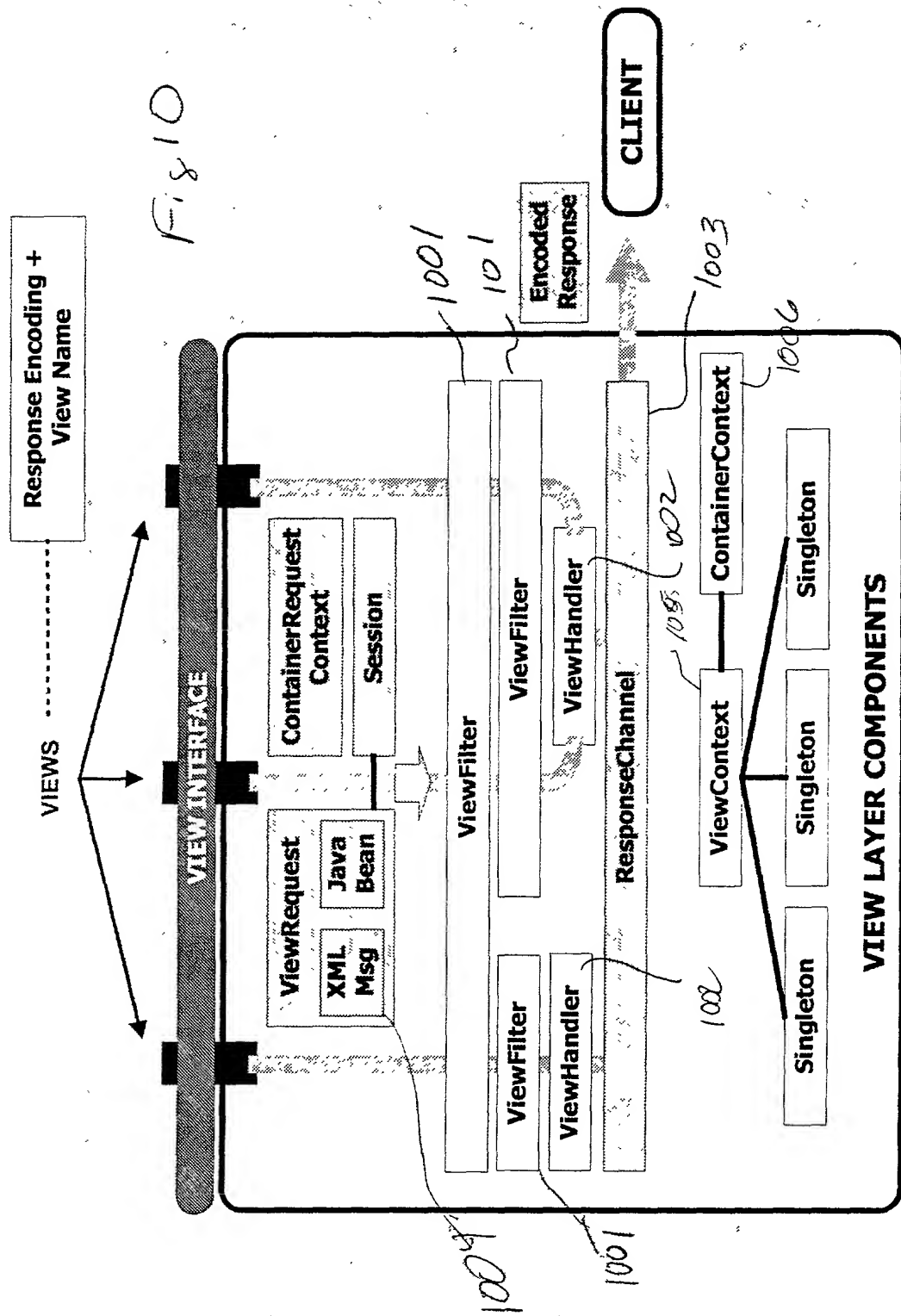




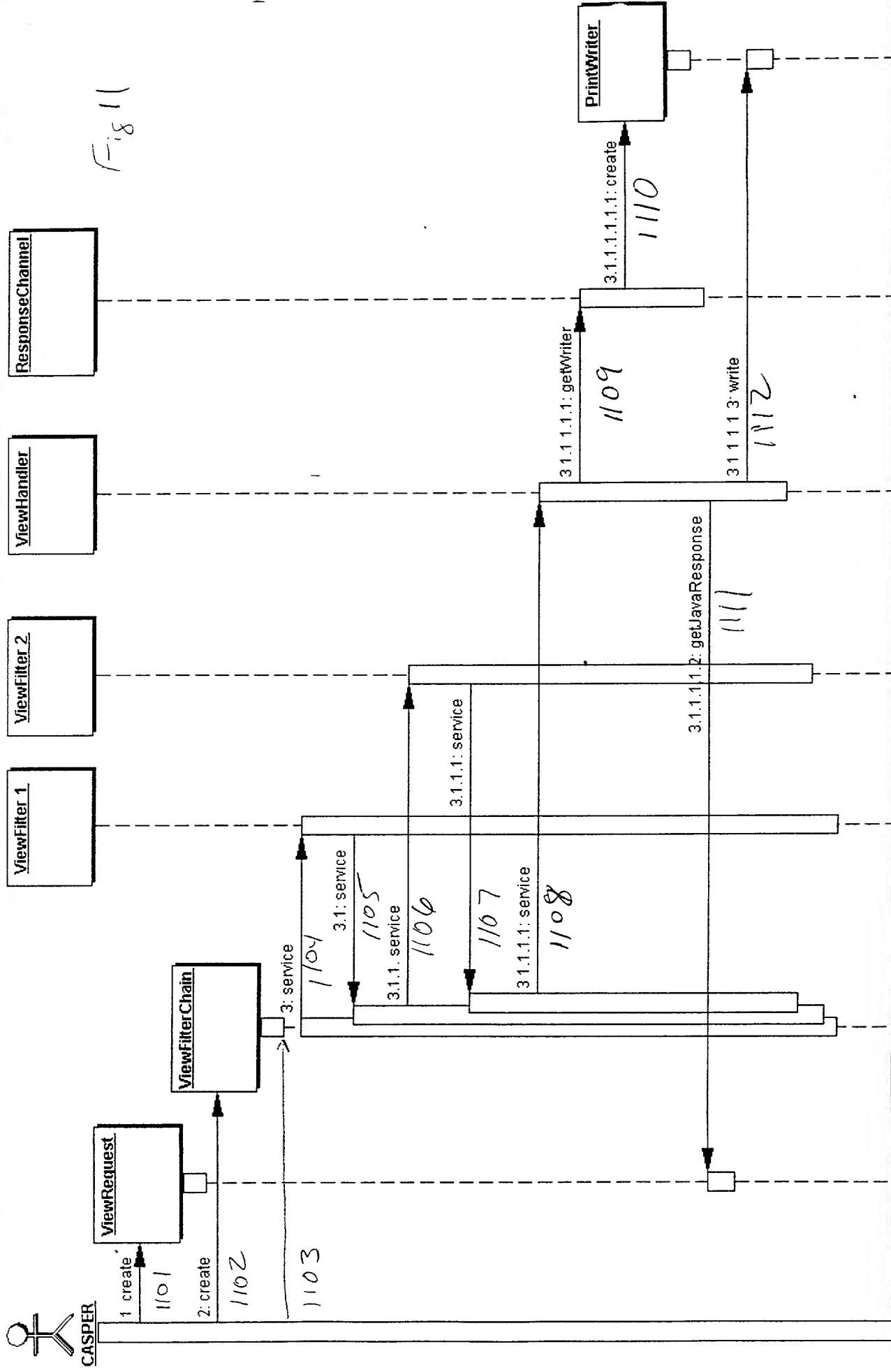
# Action Layer Dynamic Dispatch



# View Layer Components

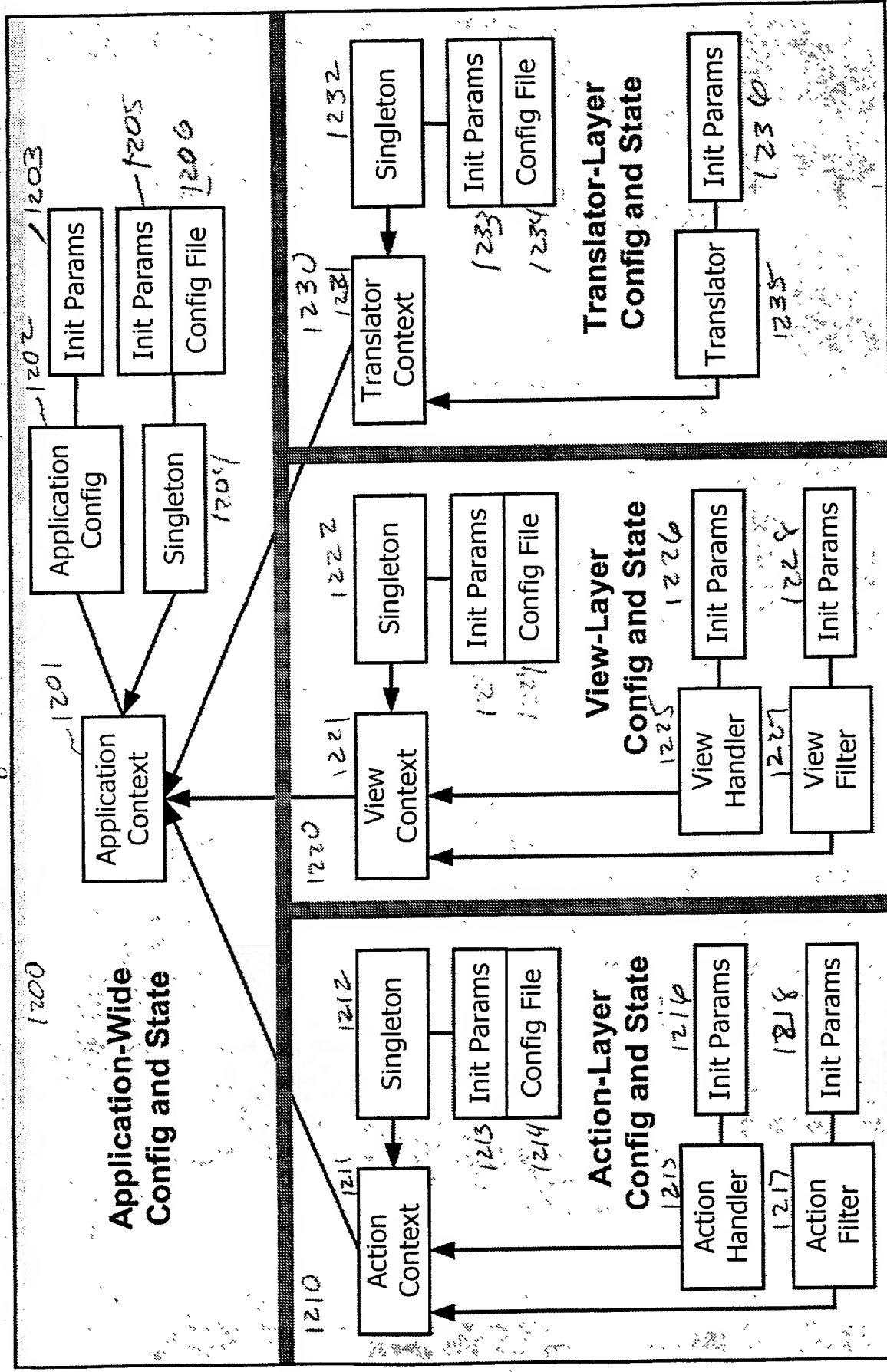


# View Layer Request Sequence Overview



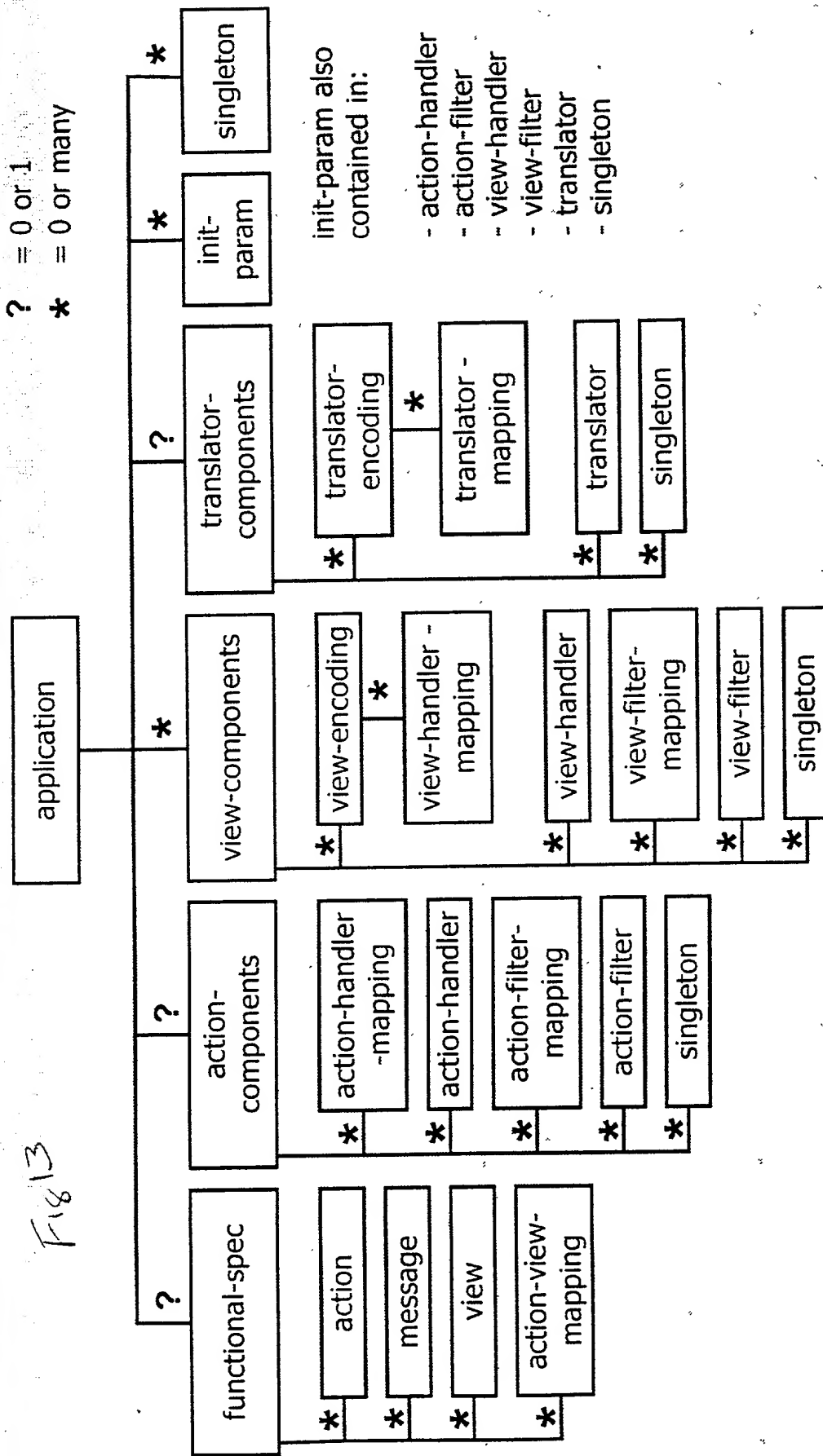
# Configuration And State Architecture

Fig 12



# casper-application.xml structure

? = 0 or 1  
\* = 0 or many



```

<!DOCTYPE application
PUBLIC "-//GE CASPER//DTD config casper-application-1.0//EN"
"http://casper.ge.com/dtd/config/casper-application-1.0.dtd">
  
```

1401  
 Action Table  
 1402

Action	application request format	application response format	Dispatcher
get product	get-product req	product-description resp	

filter
:
:
:
Action Handler

Fig 14

1502

Translator Table / 501

client request format	application request format	dispatcher
NV pair	any	

Translator

Fig 15



Handwritten text at the top of the page, possibly a header or page number, which is mostly illegible.

1602

filter
:
:
:
viewHandler

1601

View Table

client response format	view	view dispatcher
html	product view	

Fig 16

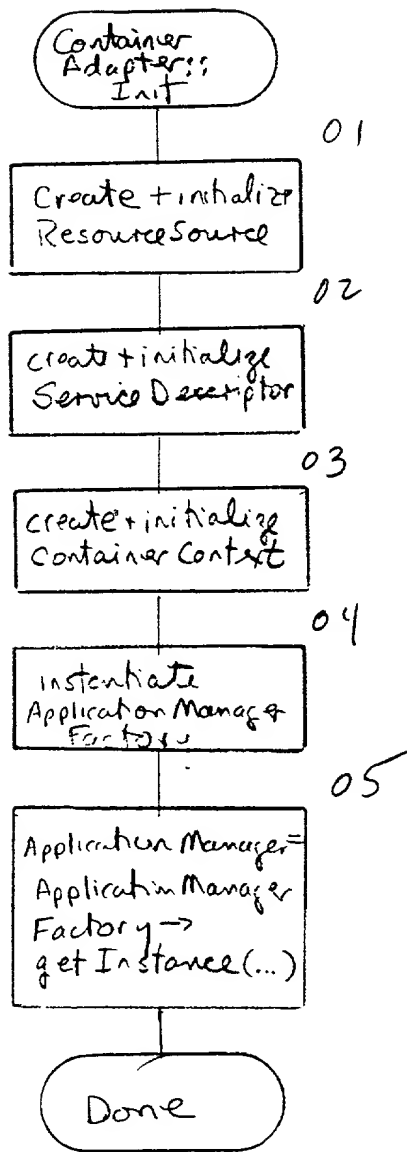
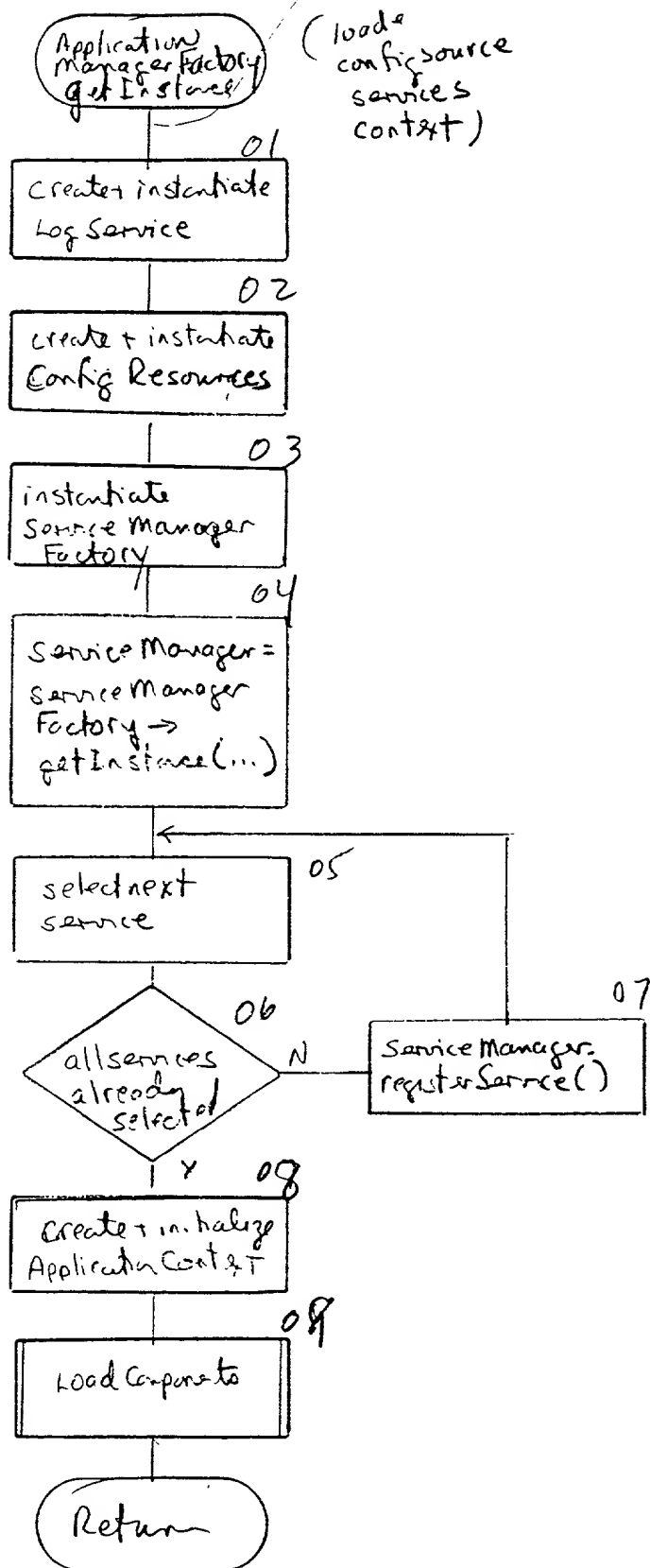


Fig 17



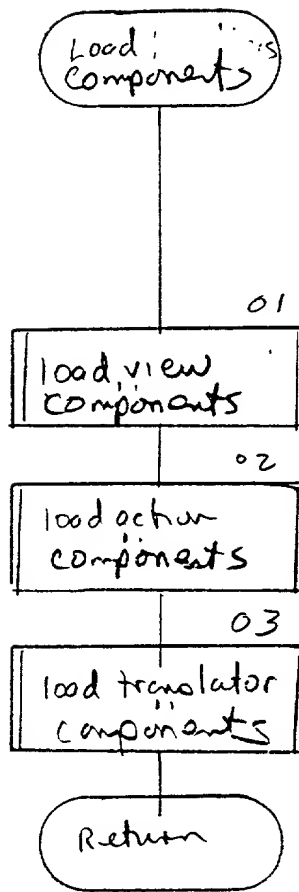


FIG. 19

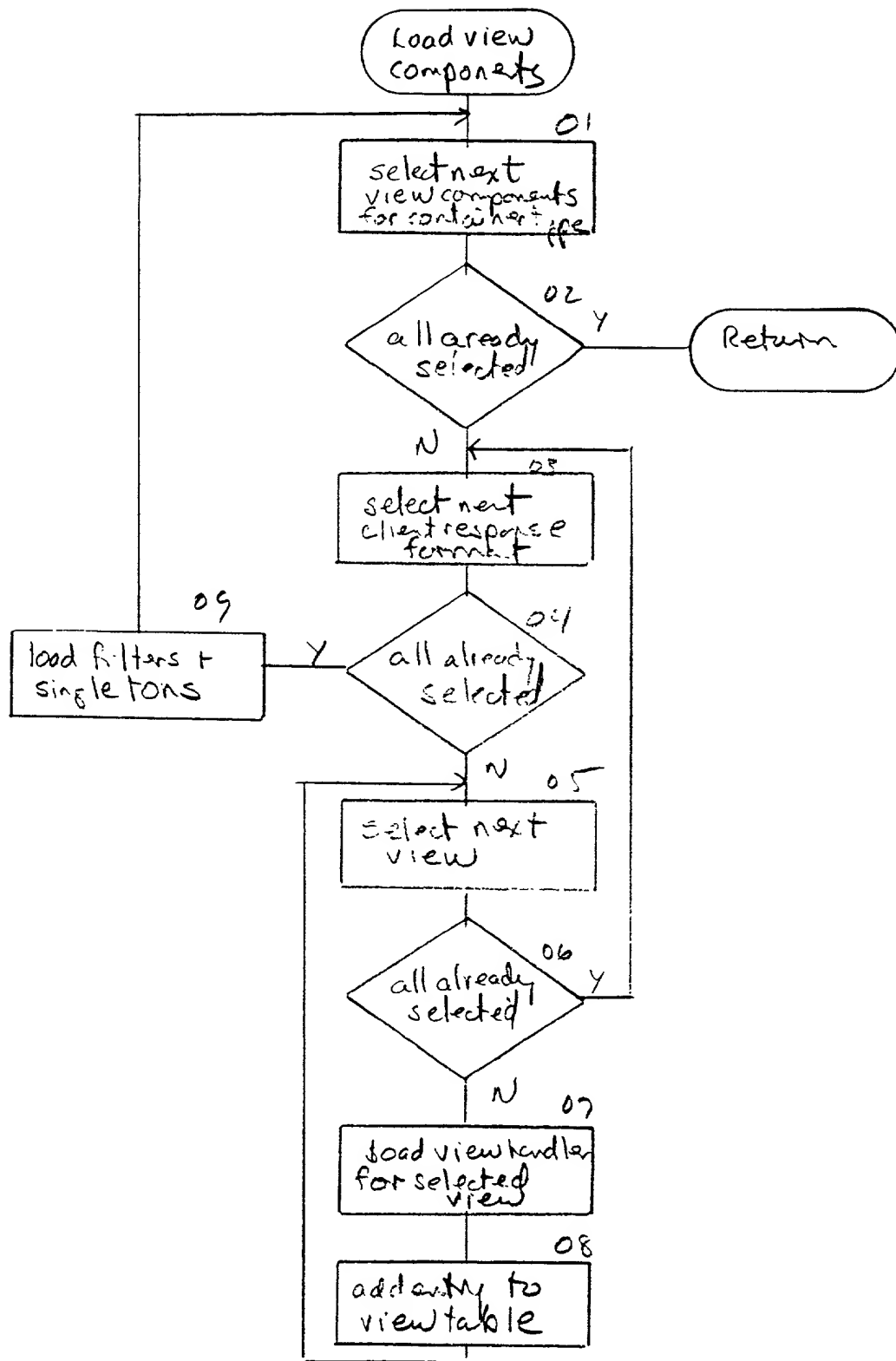


Fig. 20

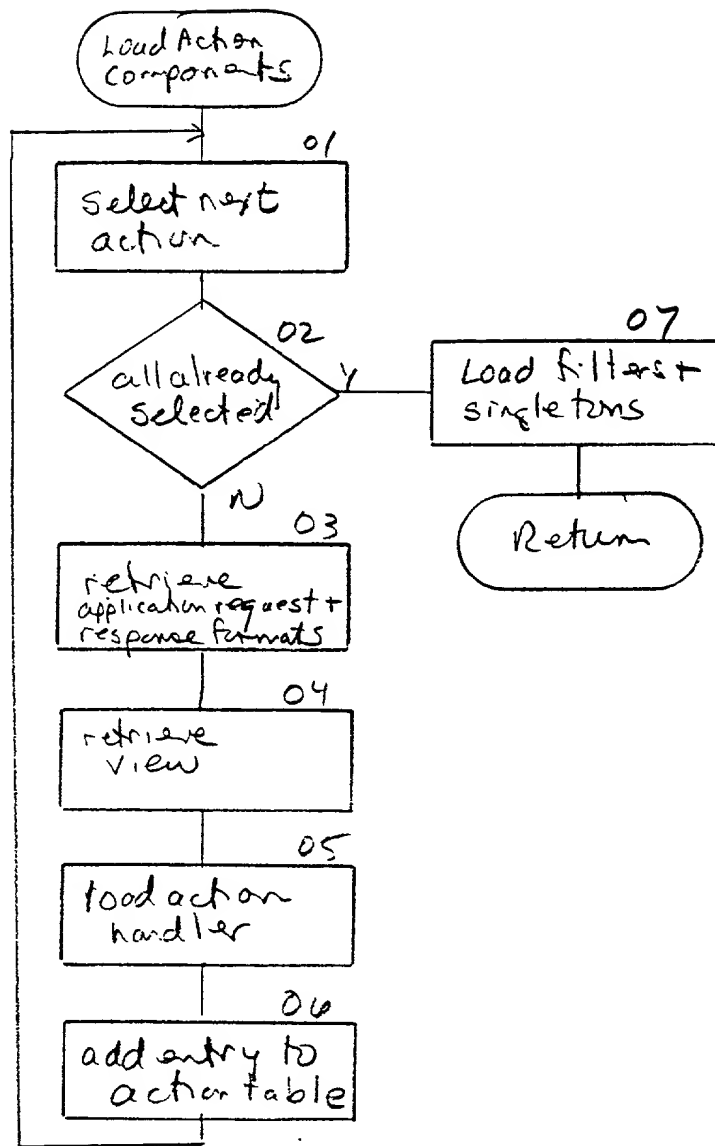


Fig. 21

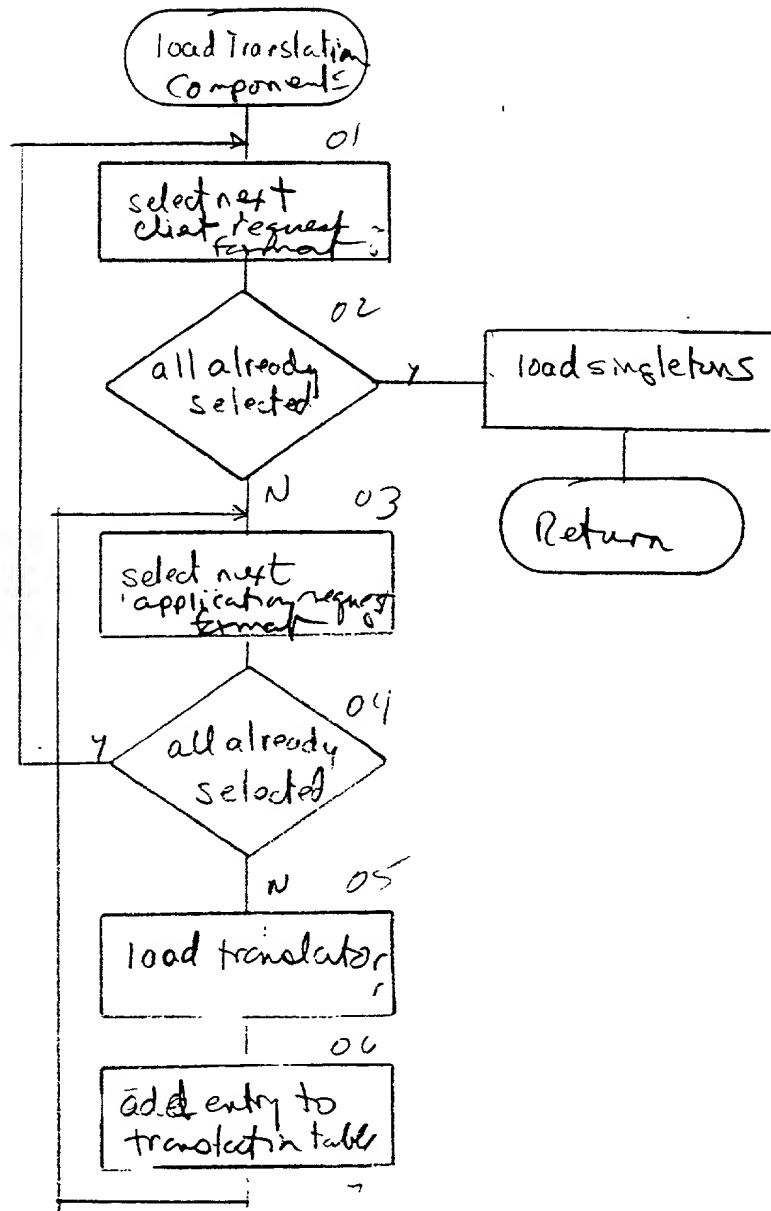


Fig 2.2



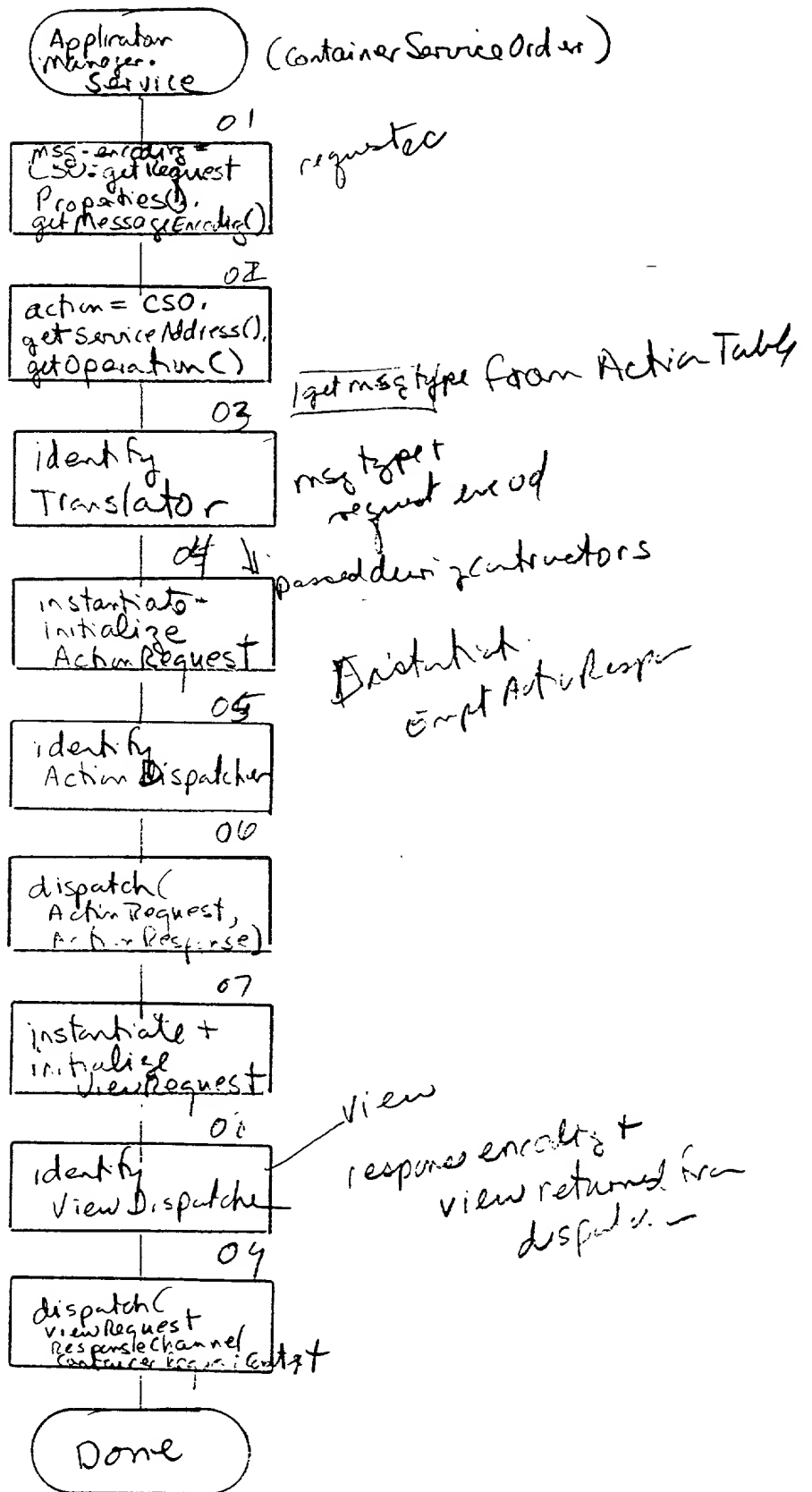


Fig. 23

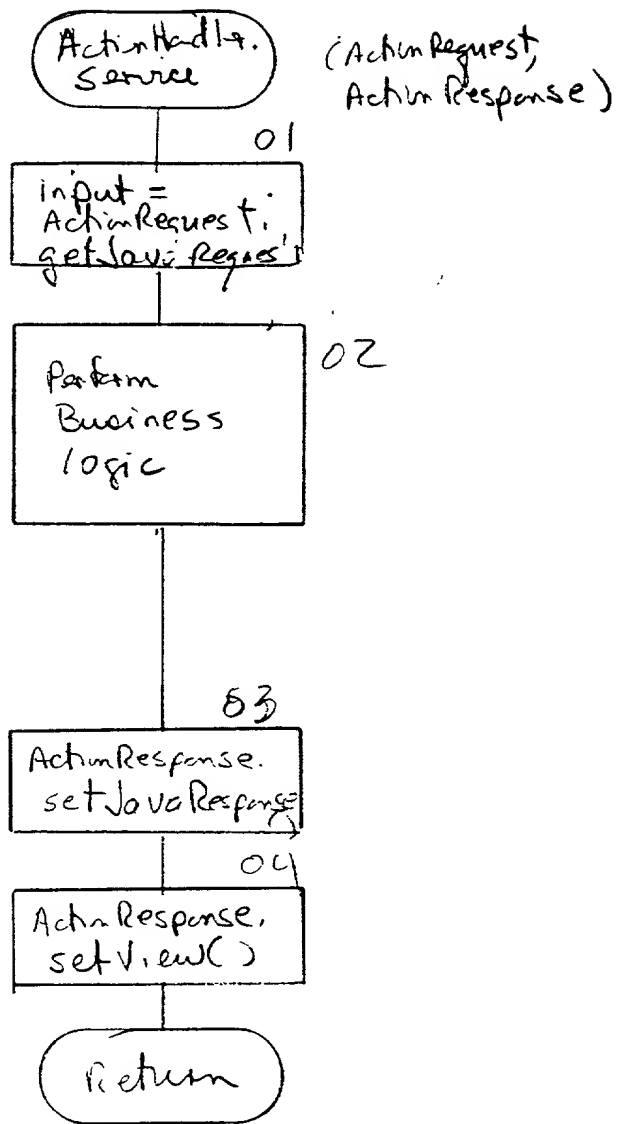


Fig. 24

# Service Framework Overview

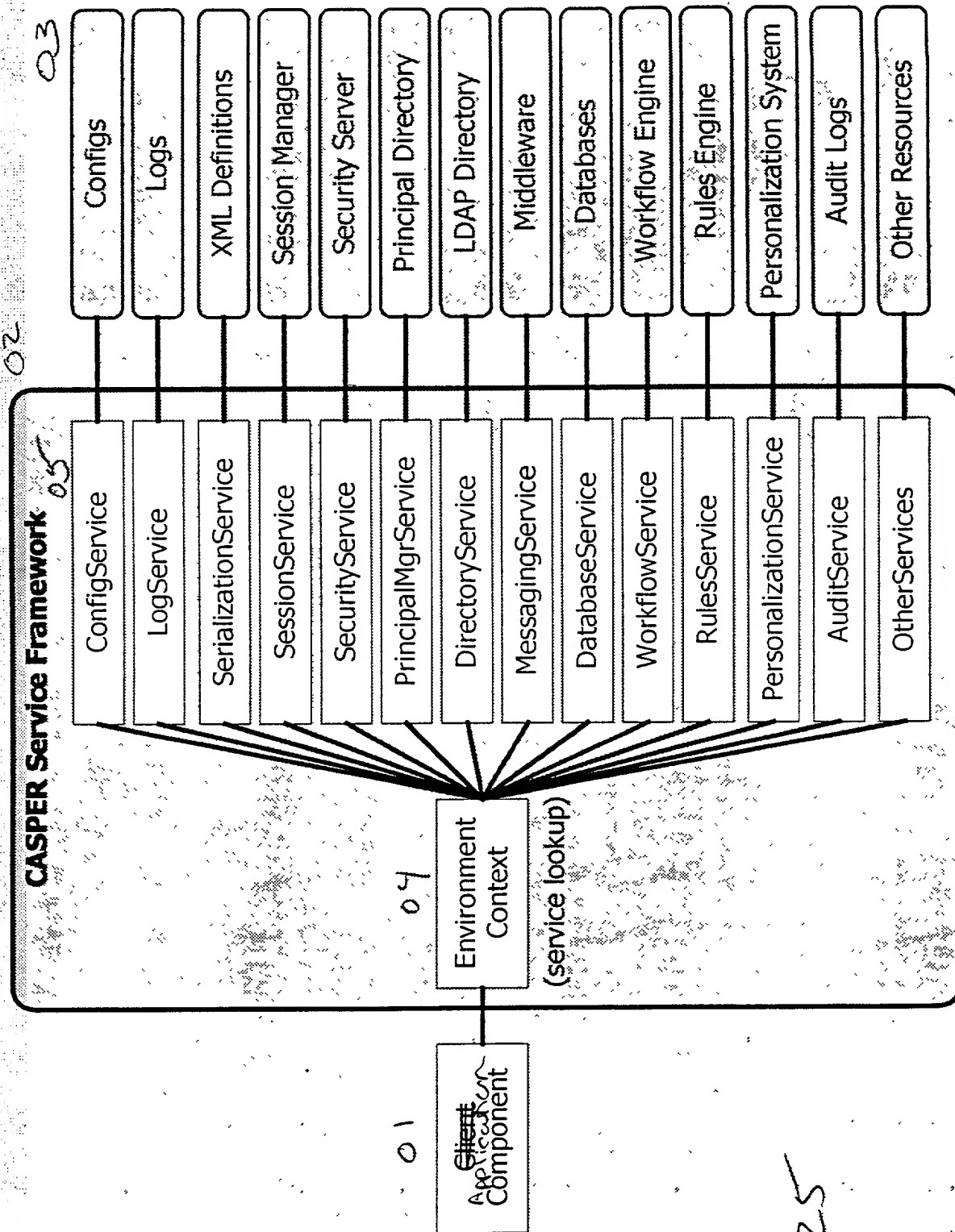
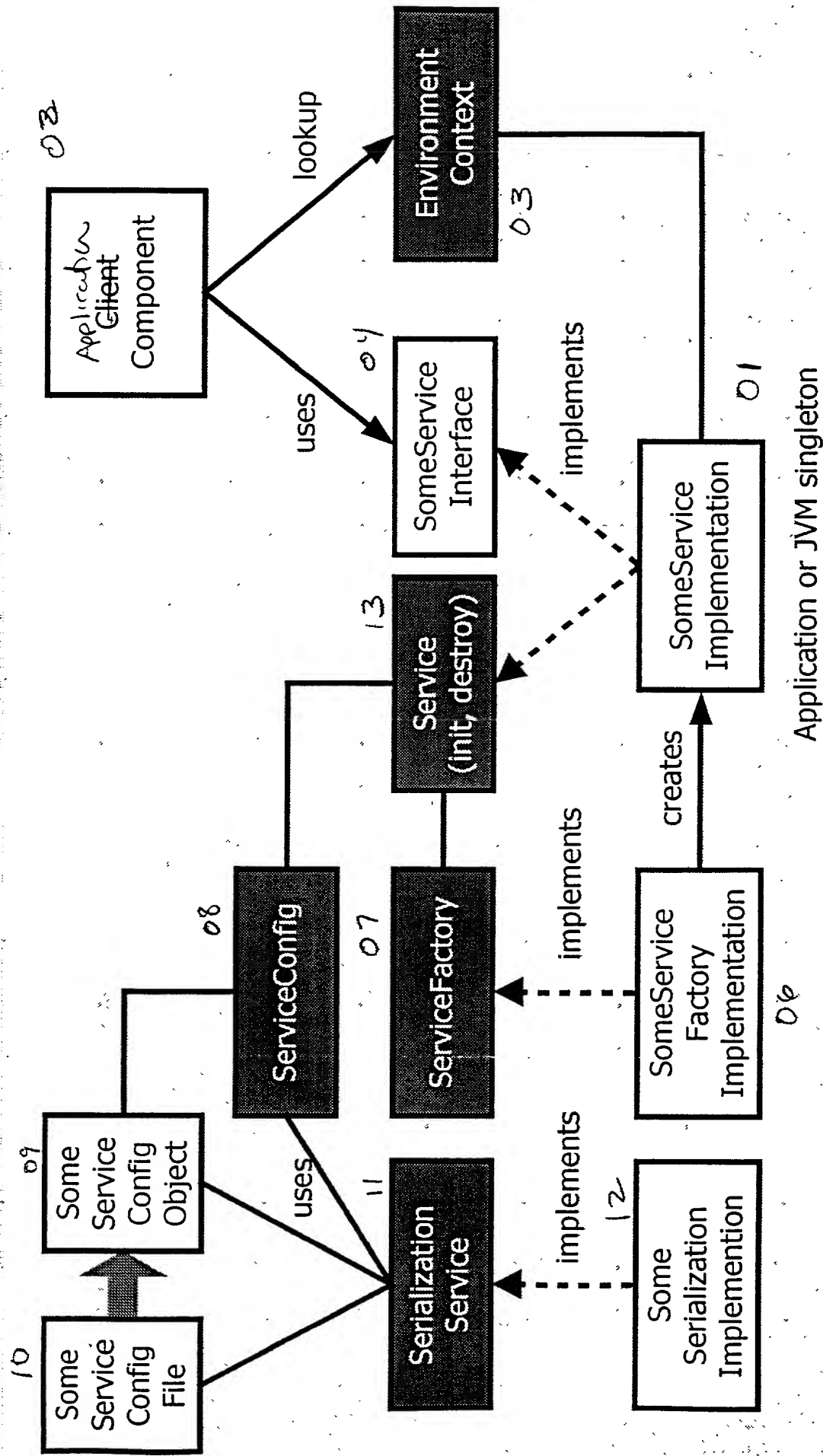


Fig 25

# Service Classes & Interfaces



Fi 26

# Service Framework Configuration

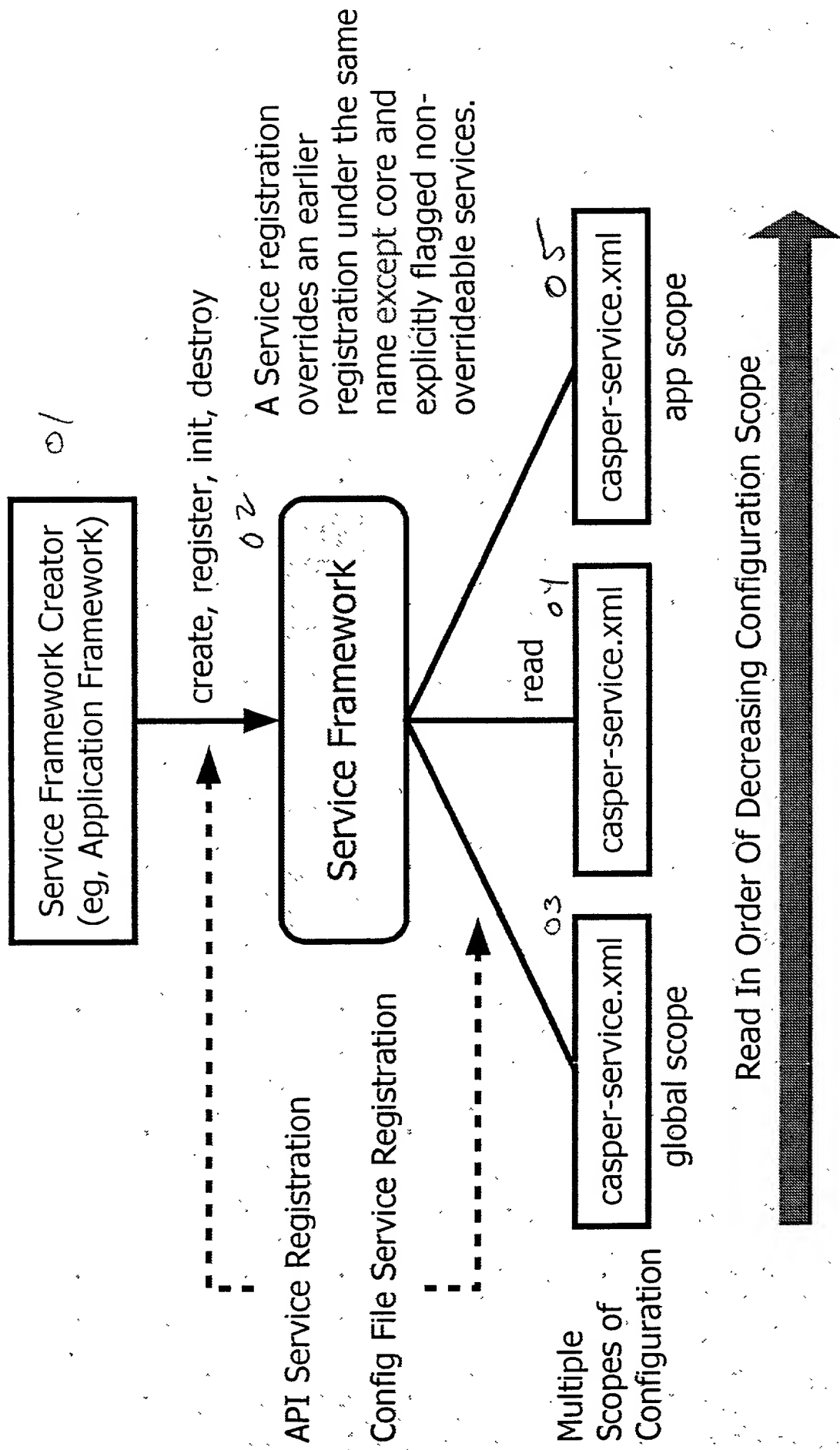
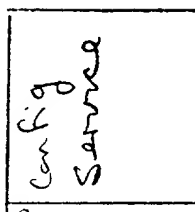


Fig 27

Service Table 01 02



Service name	Service Identifier
config	

Fig 28

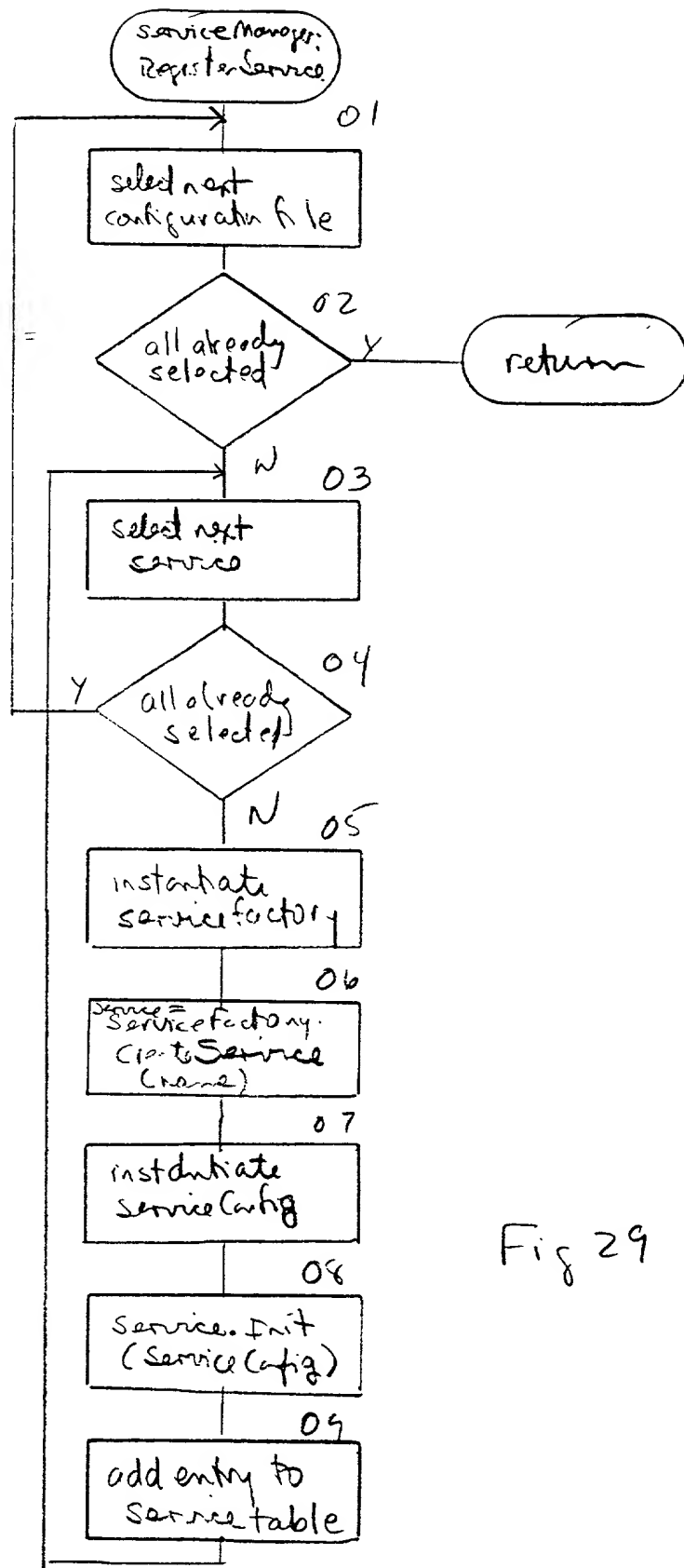


Fig 29



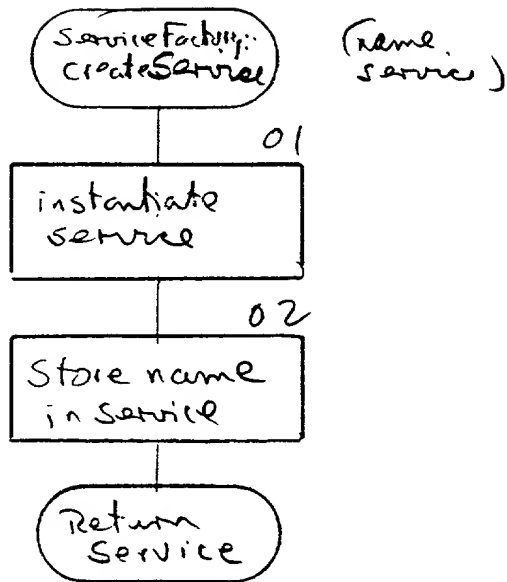


Fig 30

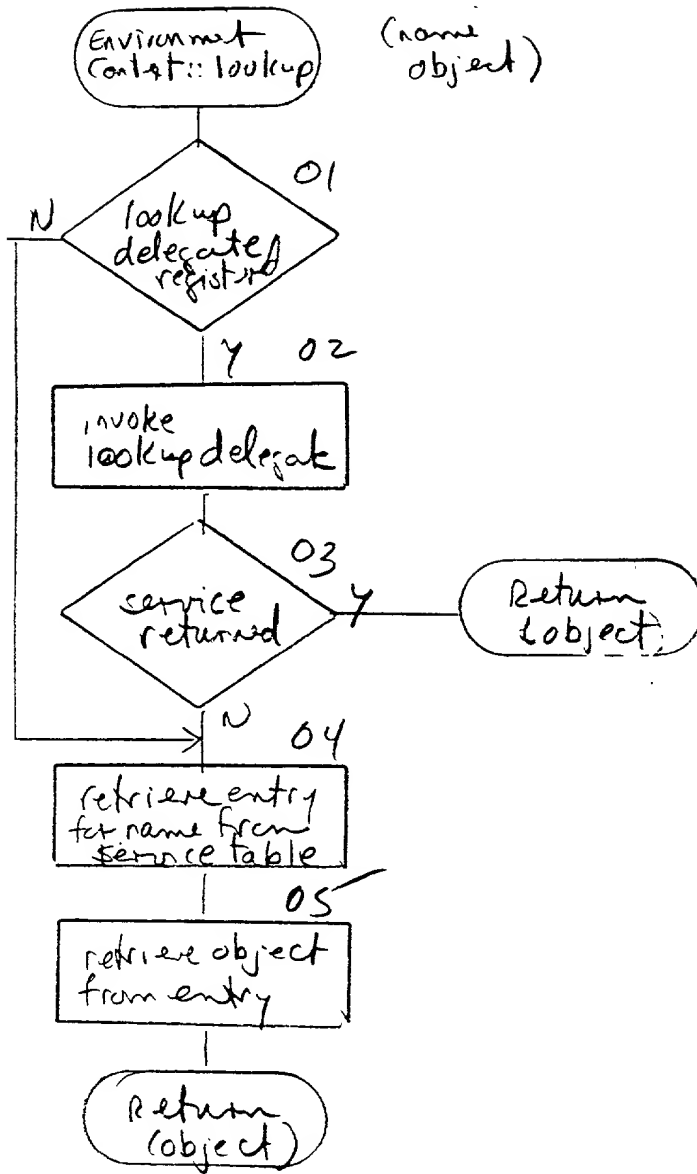
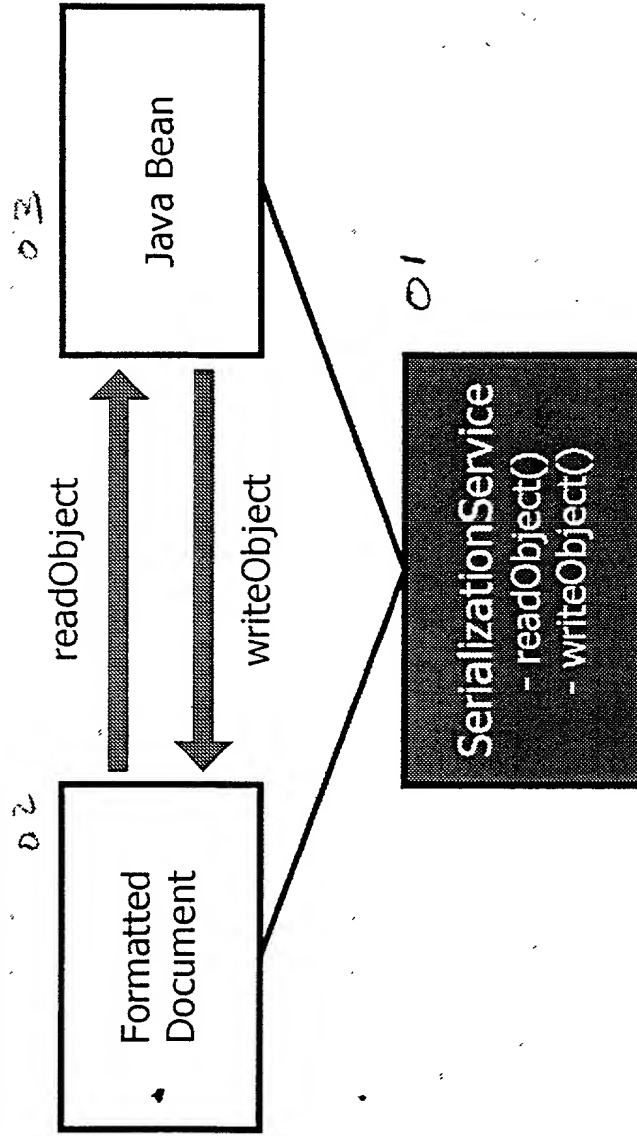


Fig 31

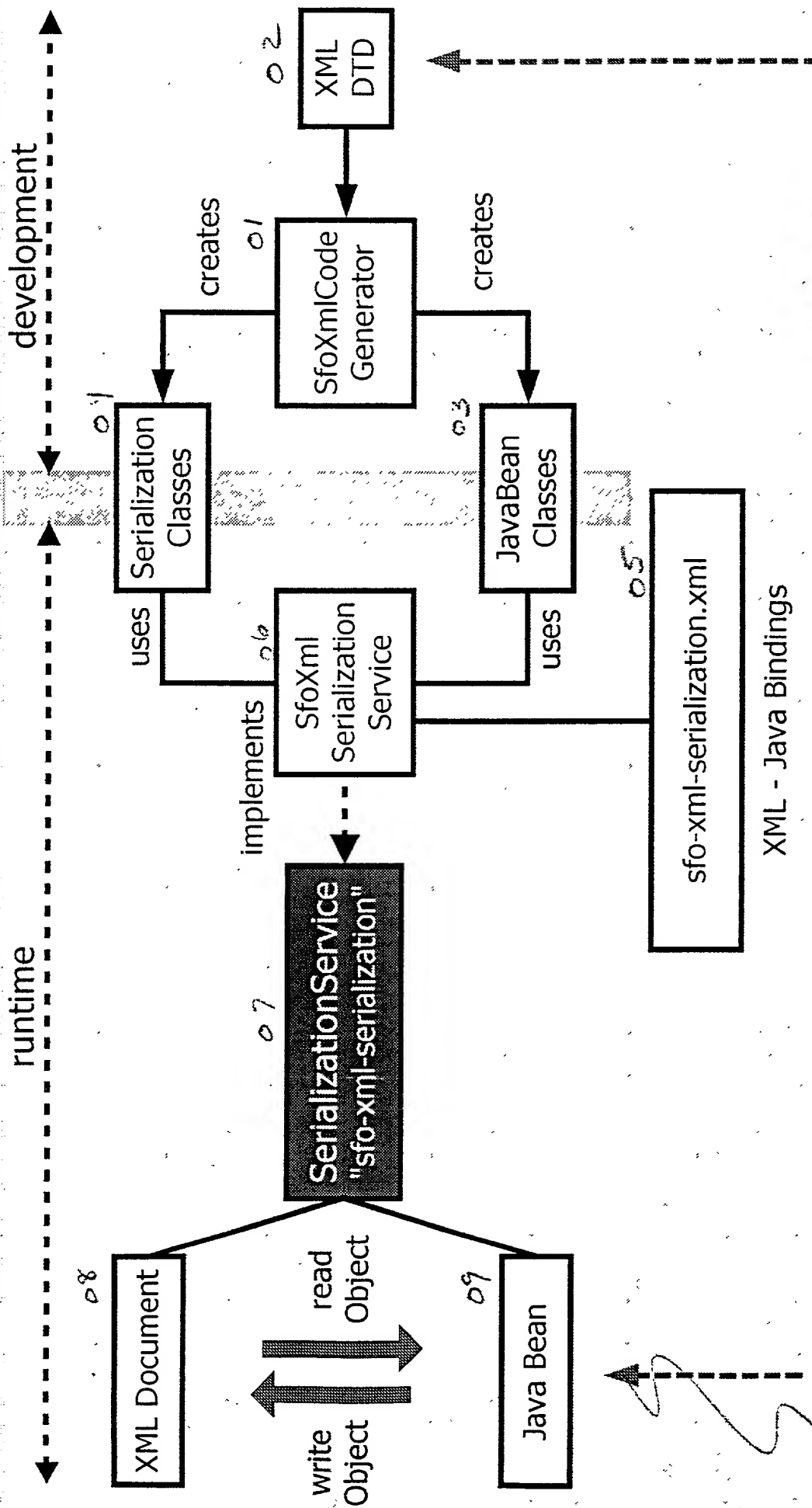
# Serialization Service



**A SerializationService is responsible for transforming and validating formatted documents to and from JavaBean objects**

FIG. 32

# Configuration Definition with SFO XML Tools



Configuration representations

Fig. 33

Configuration schema defined with XML DTDs

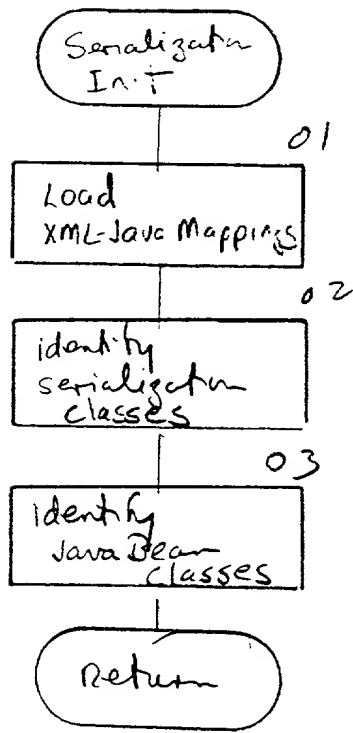
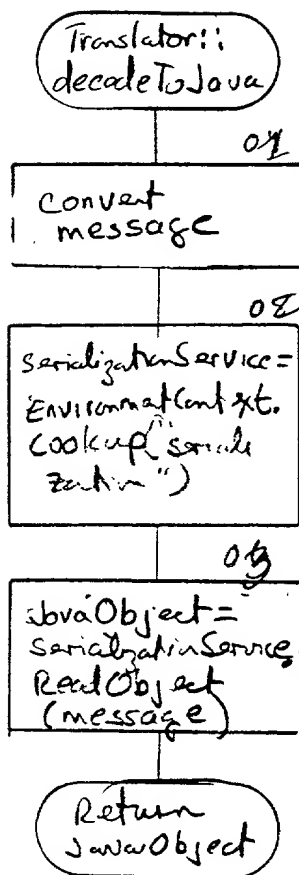


Fig. 34



(deserialize  
message  
application format)

Fig. 35

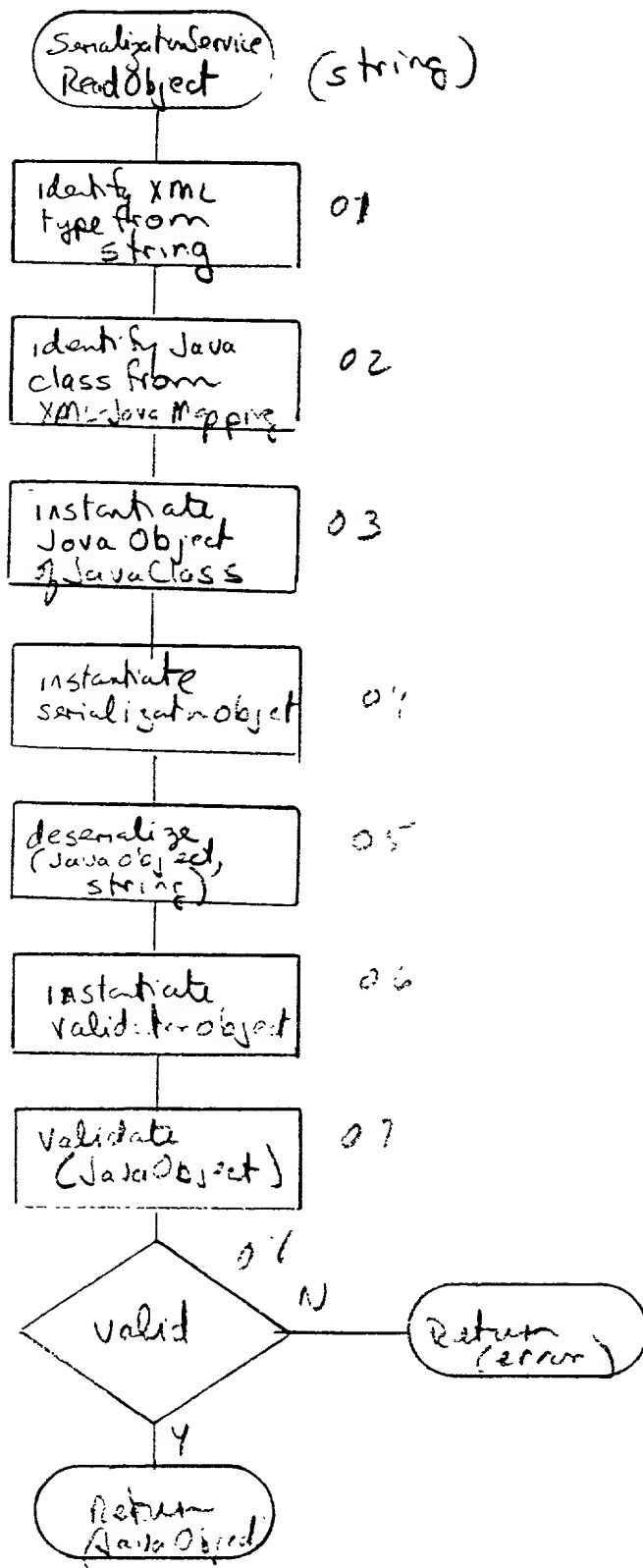


Fig. 36

# Configuration Service

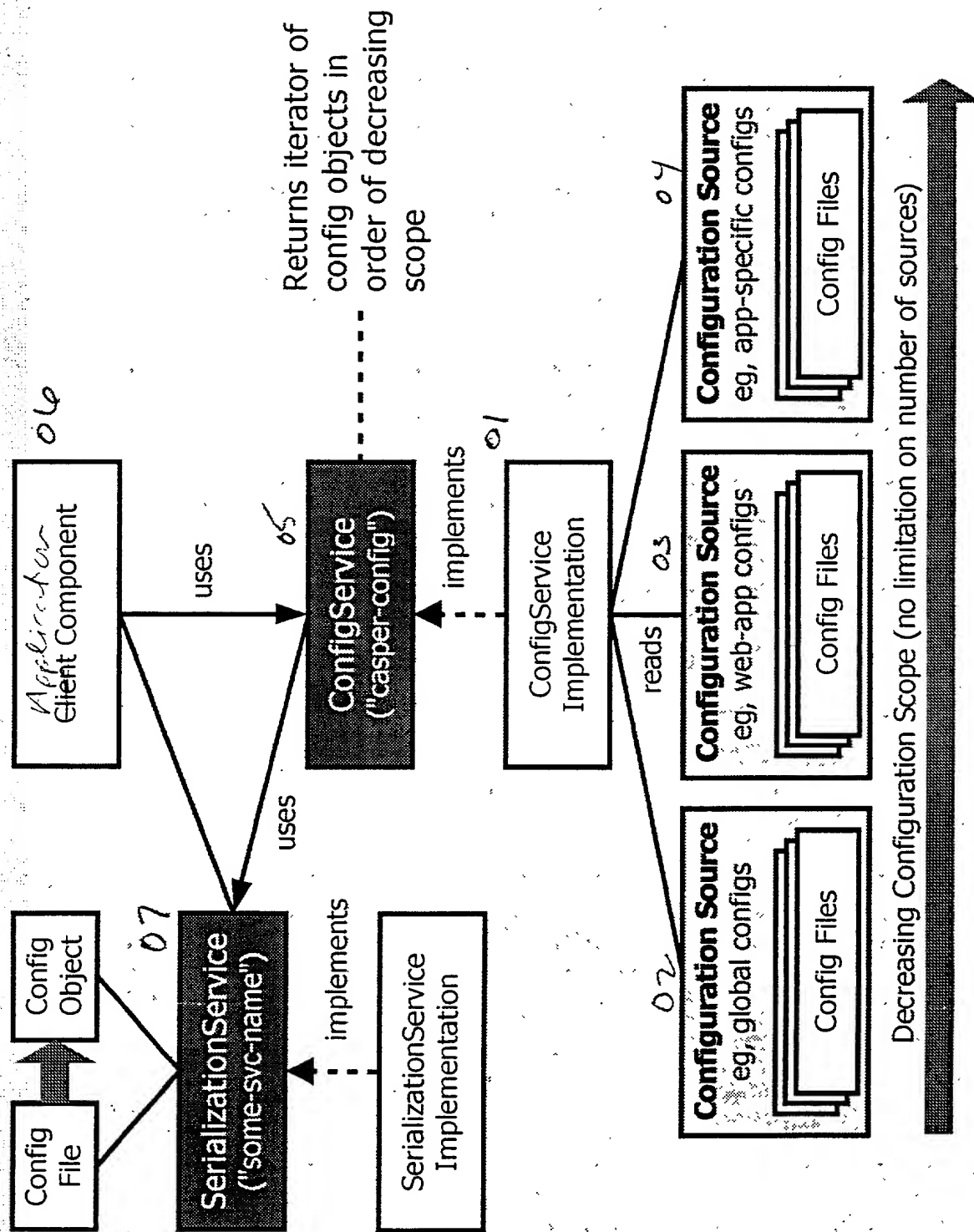


Fig. 37



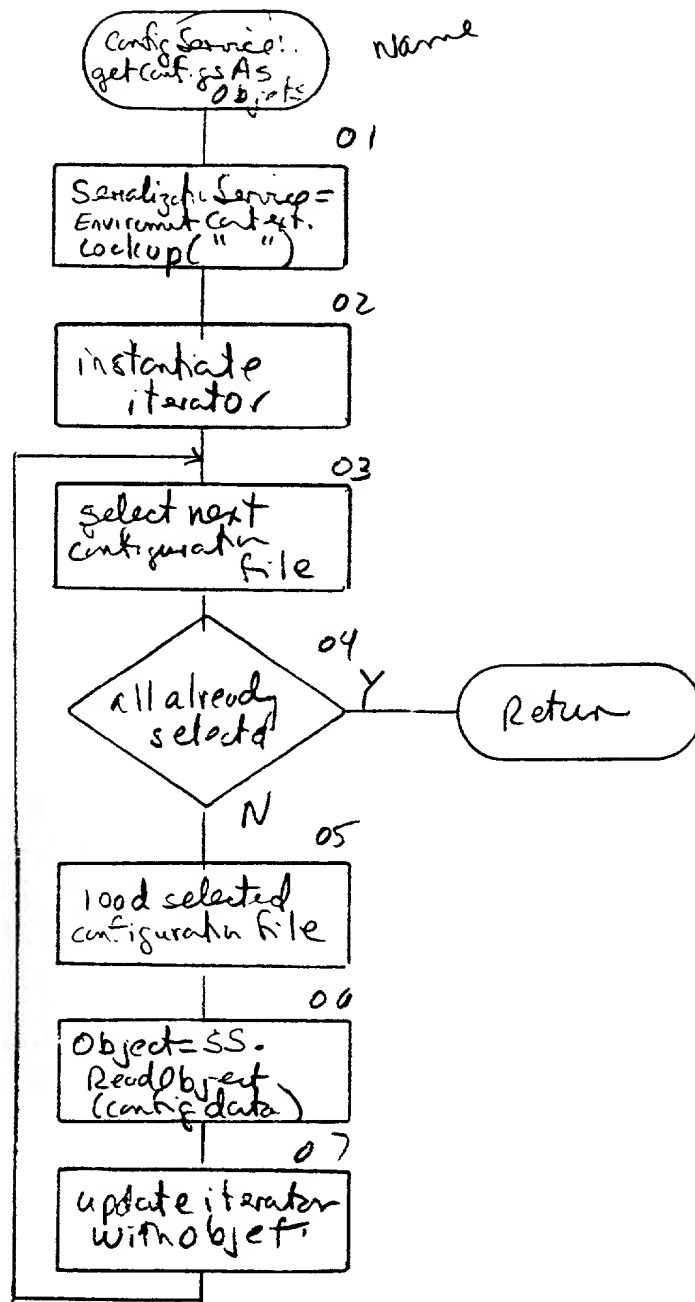


Fig. 38

Fig. 39

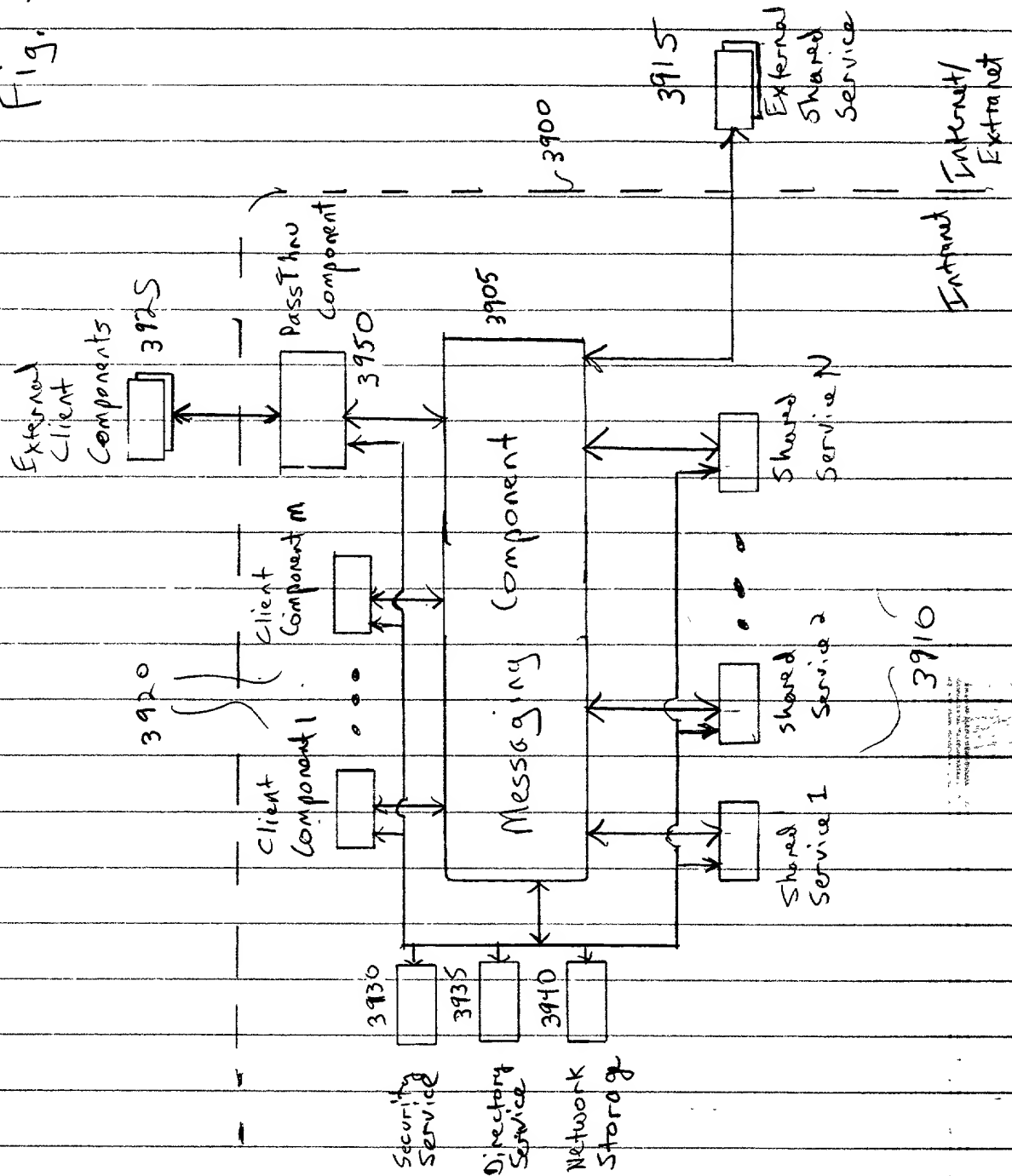


Fig. 40

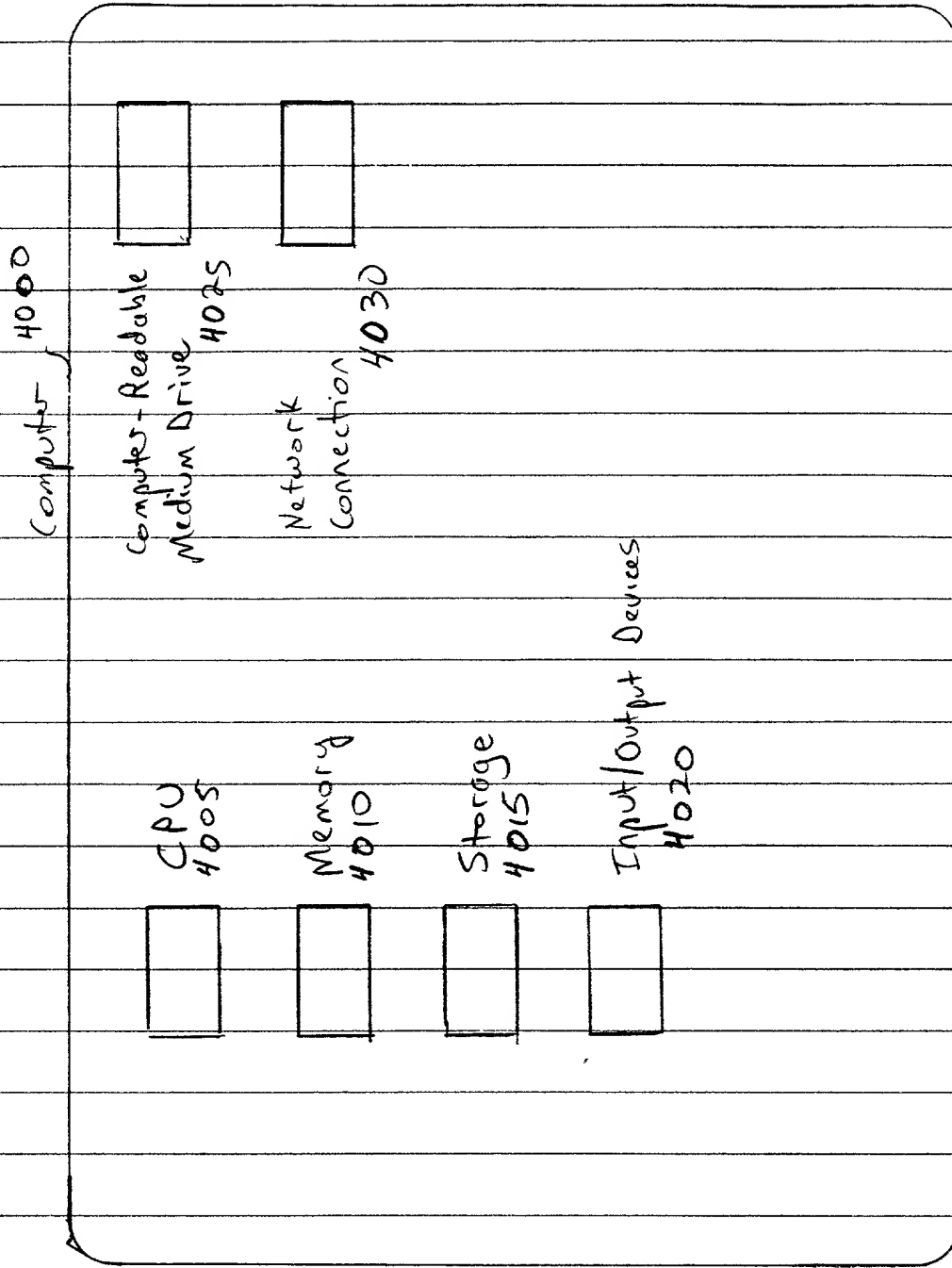
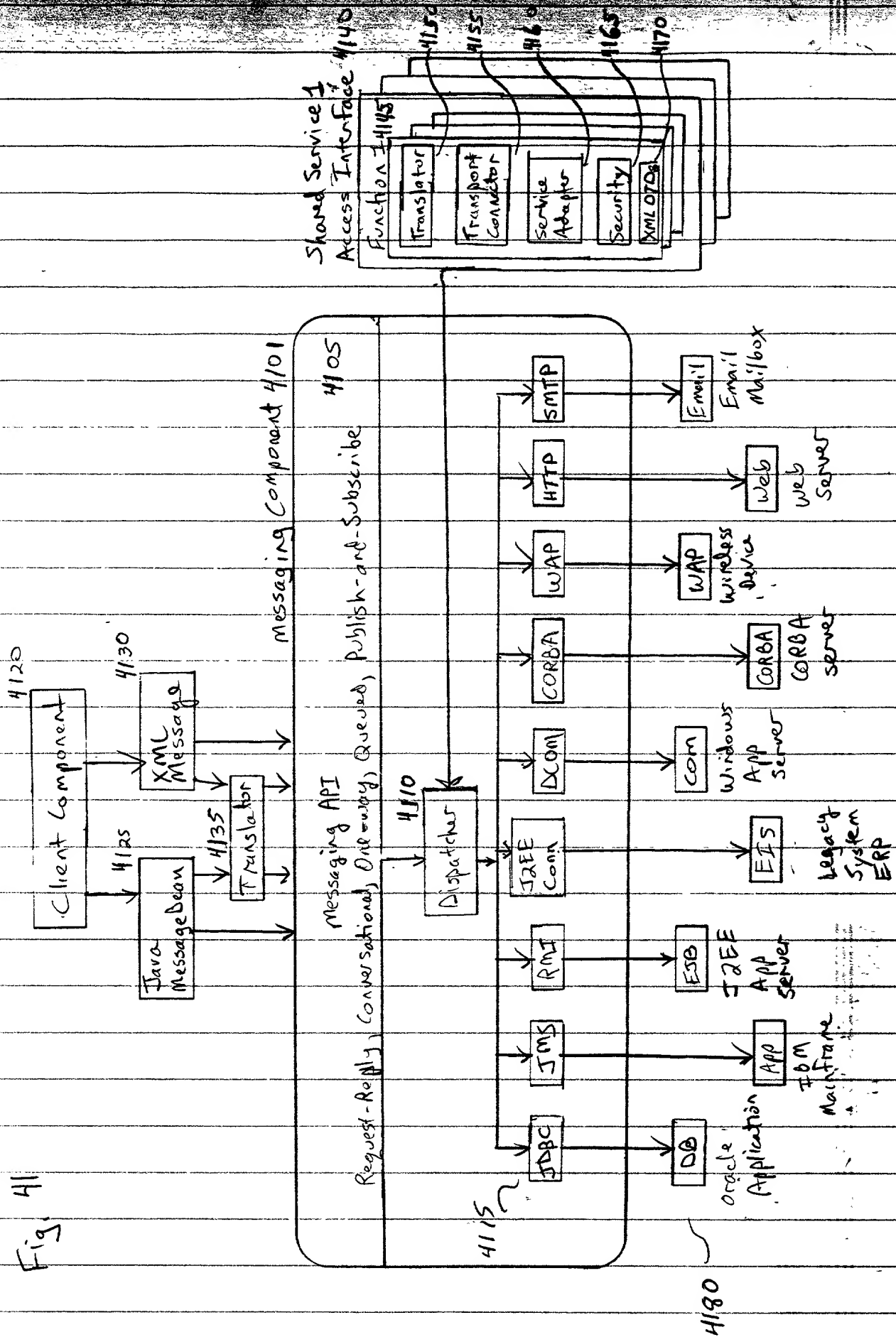


Fig. 41



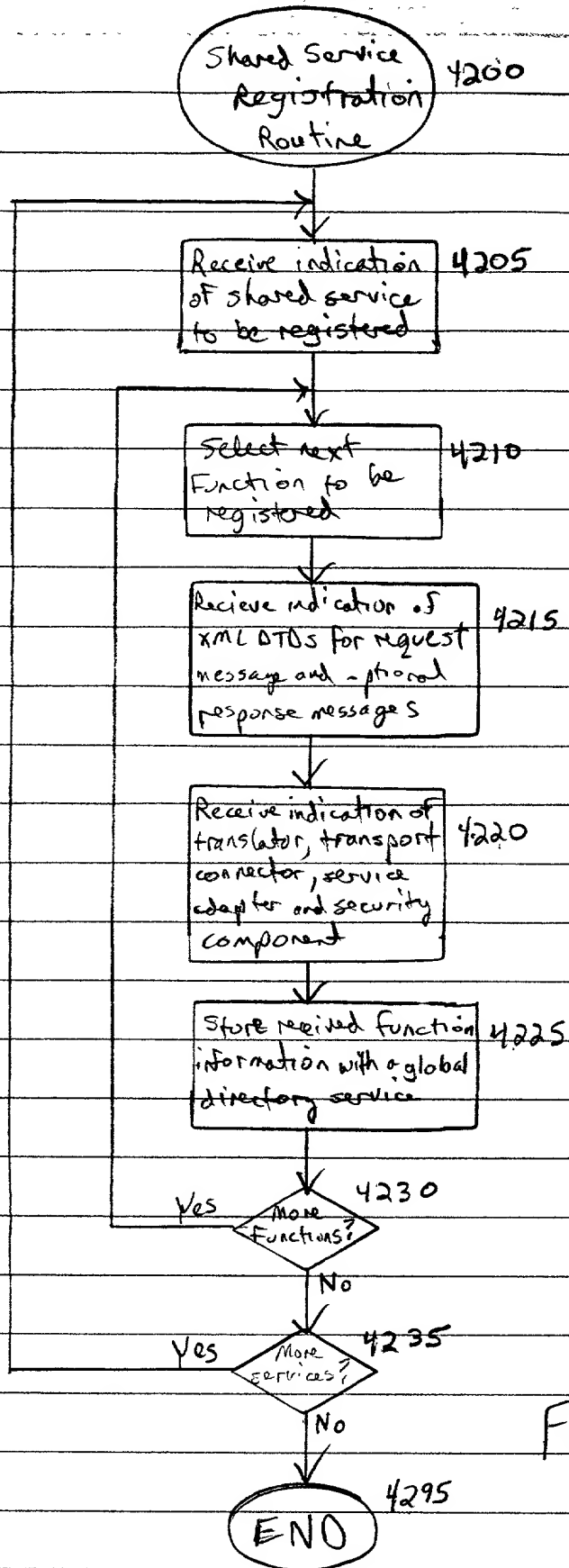


Fig. 42

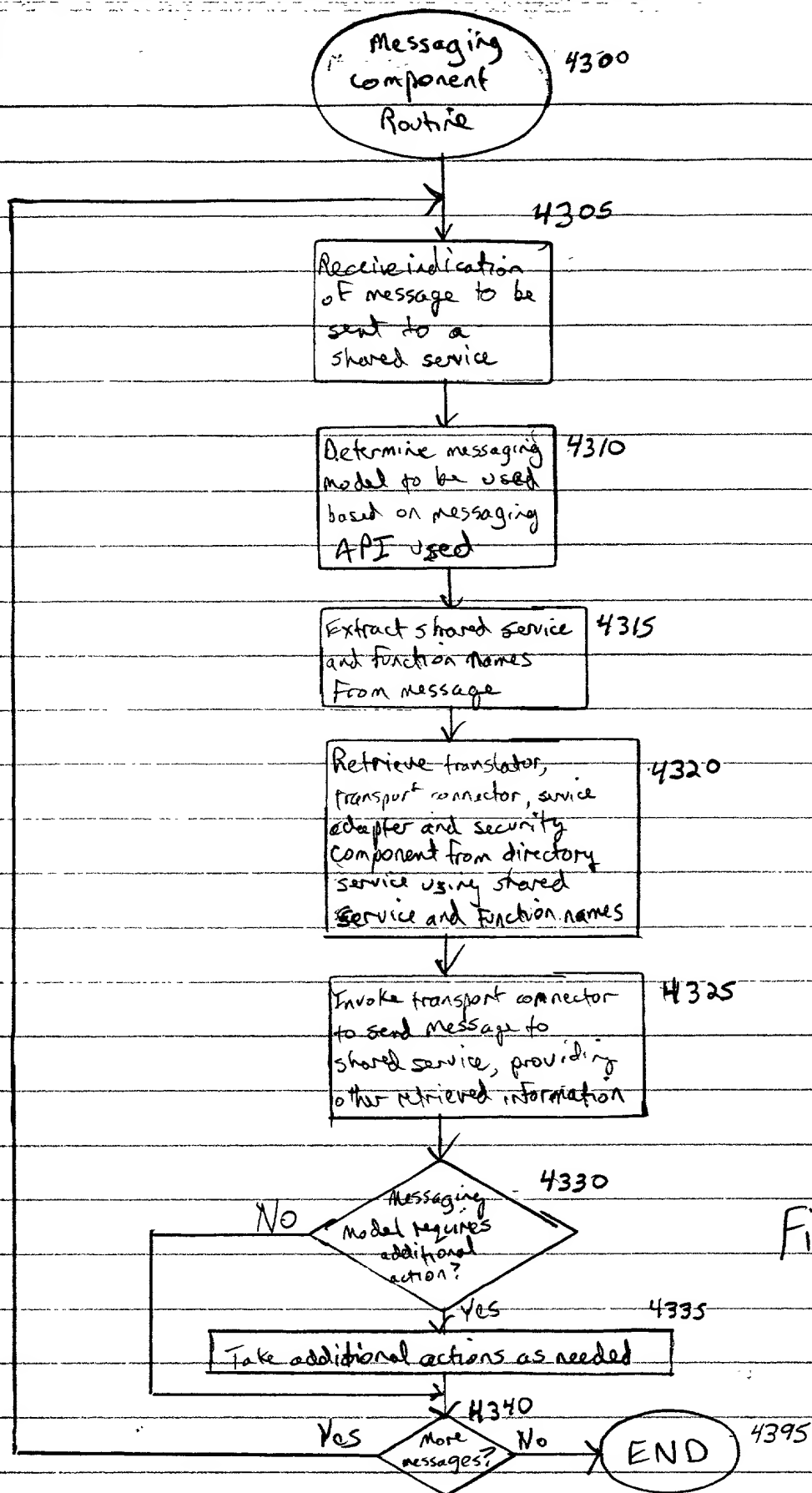


Fig. 43

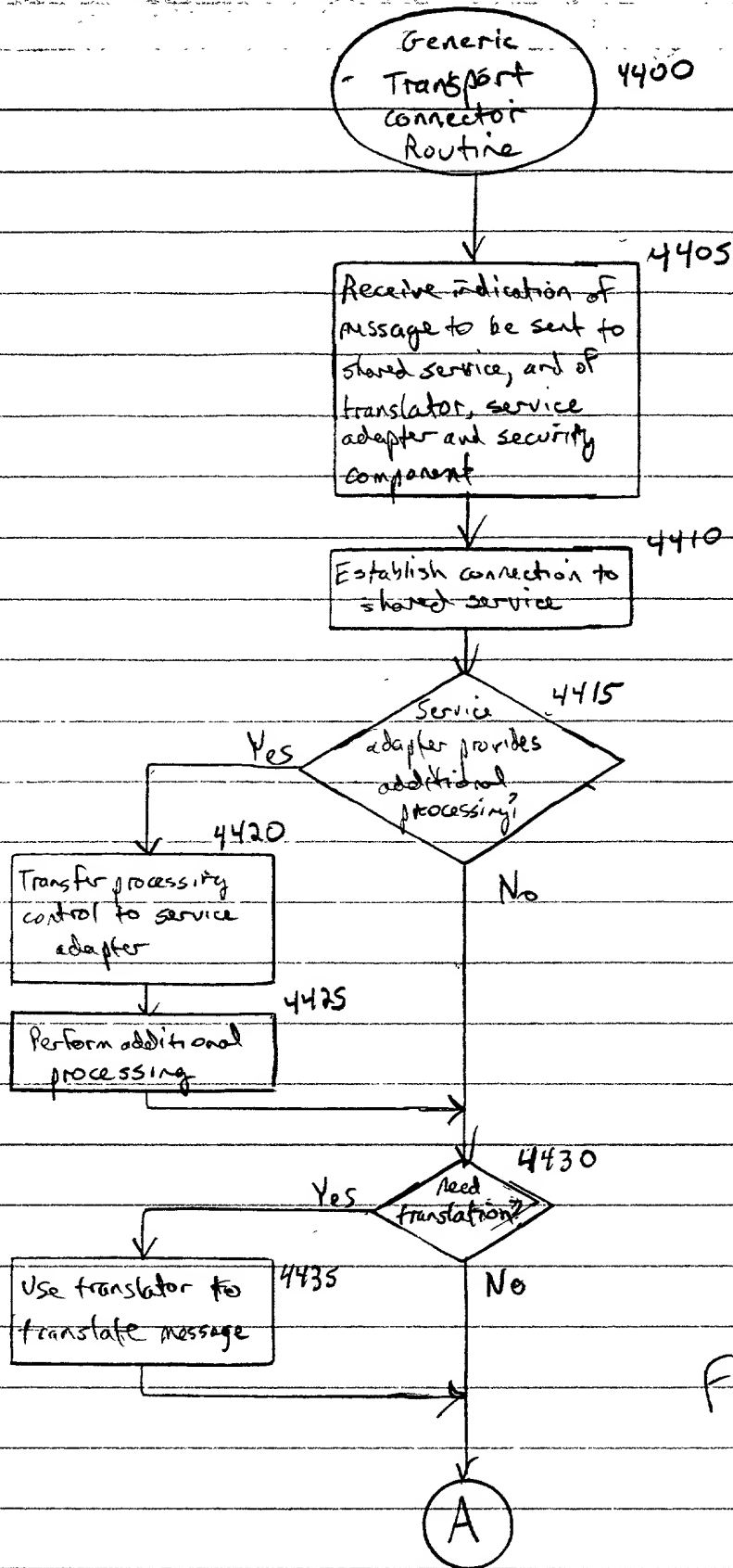


Fig. 44A

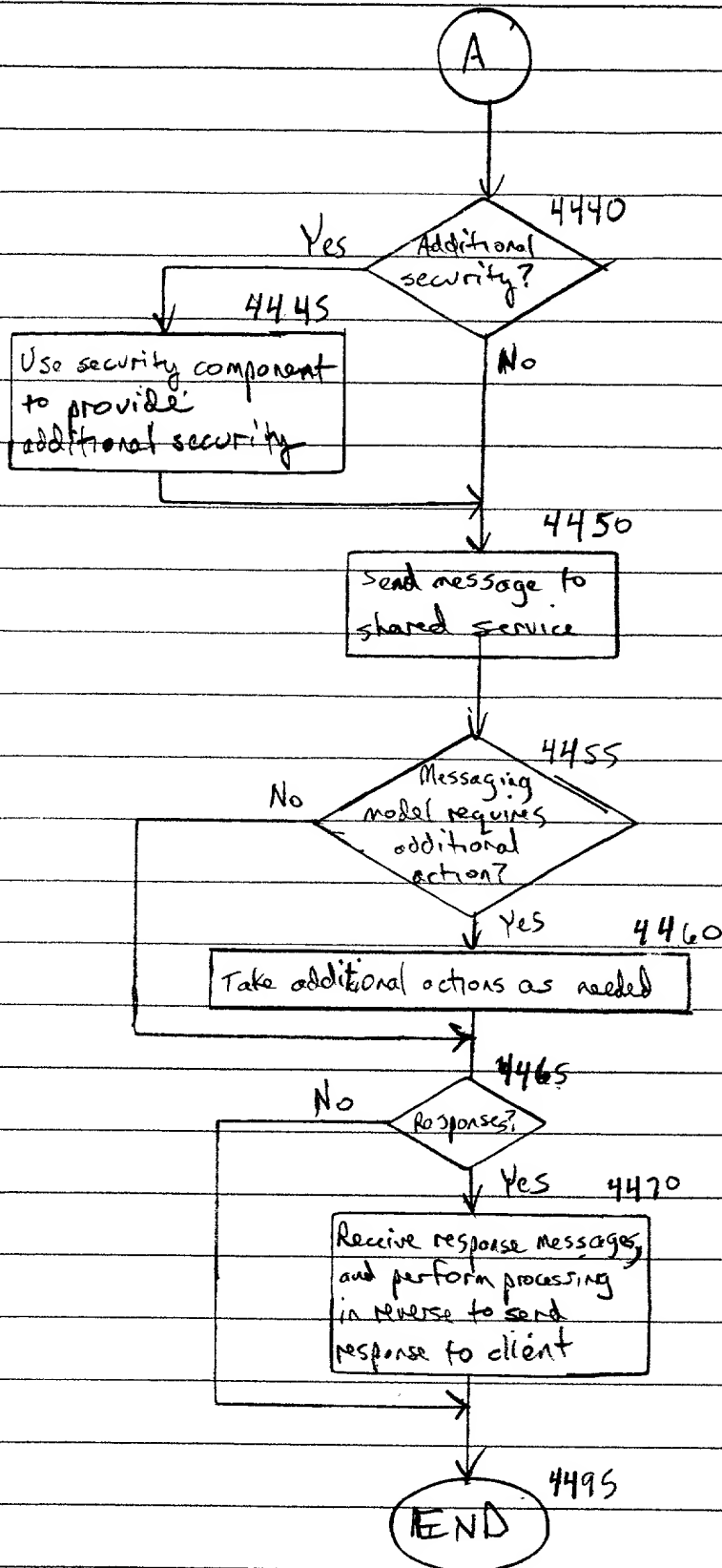


Fig. 44B



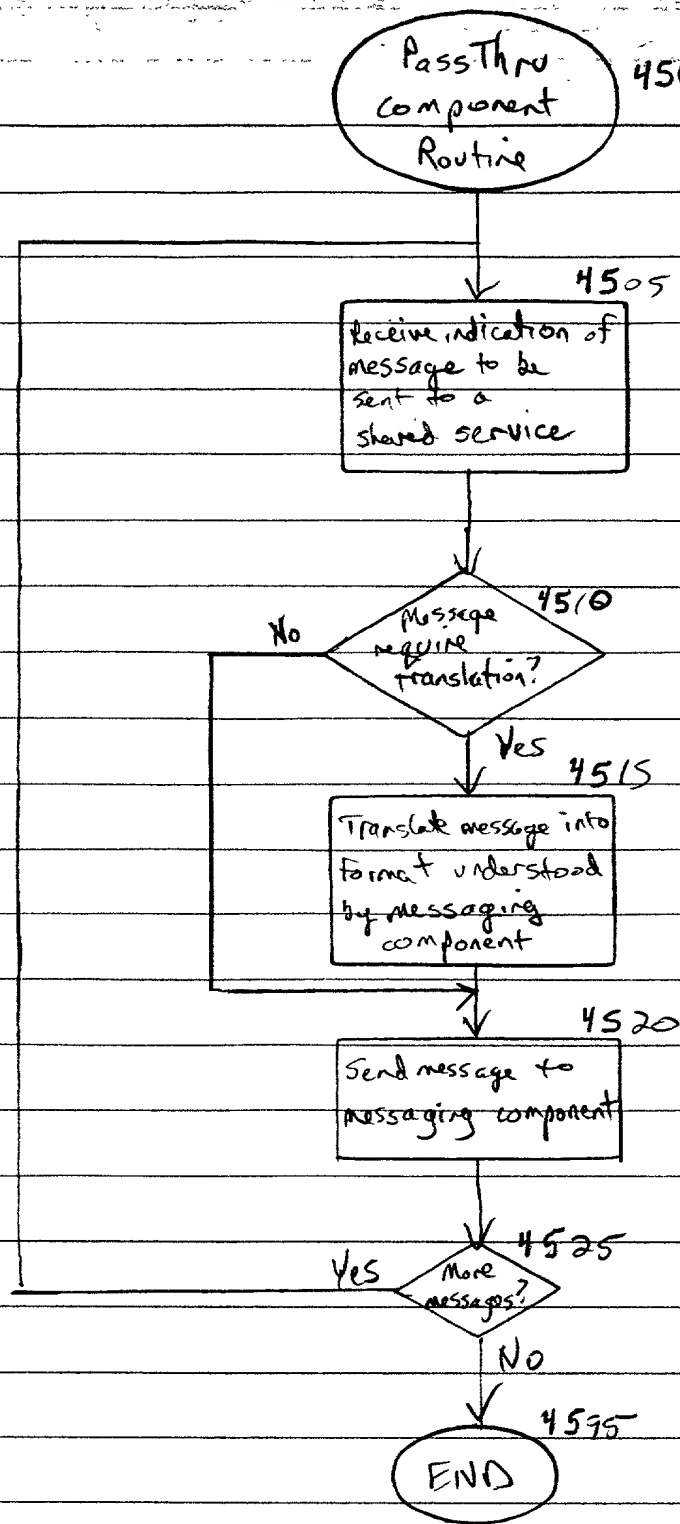


Fig. 45

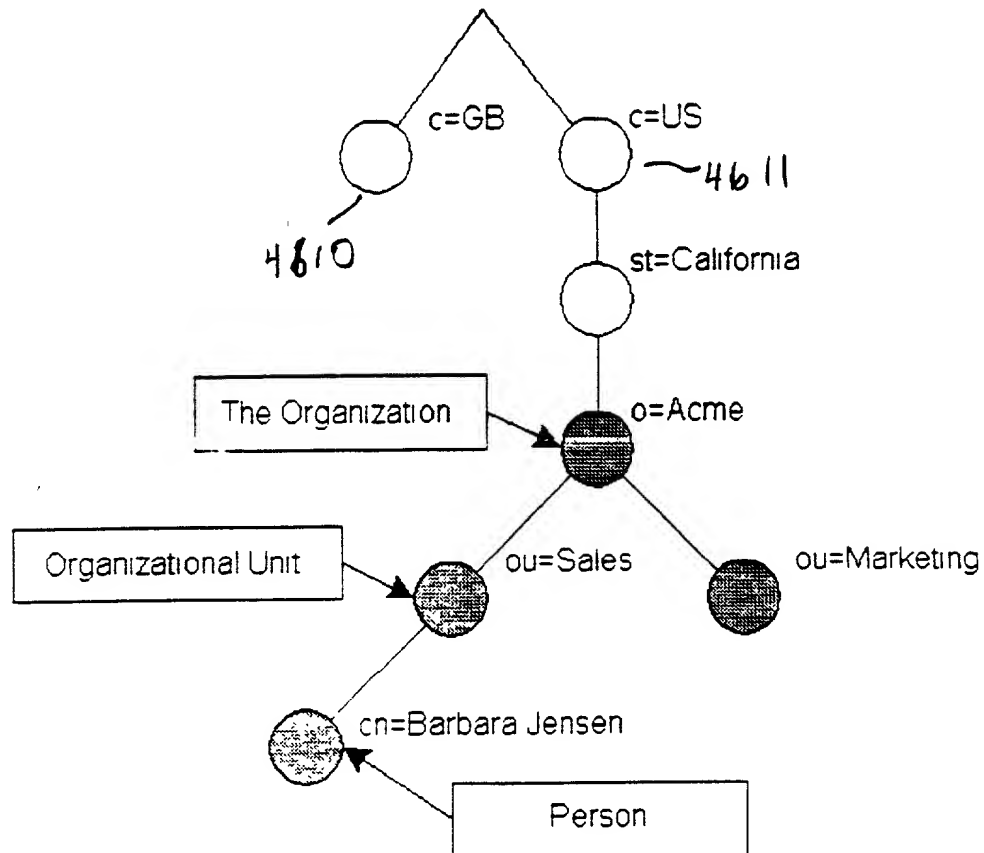
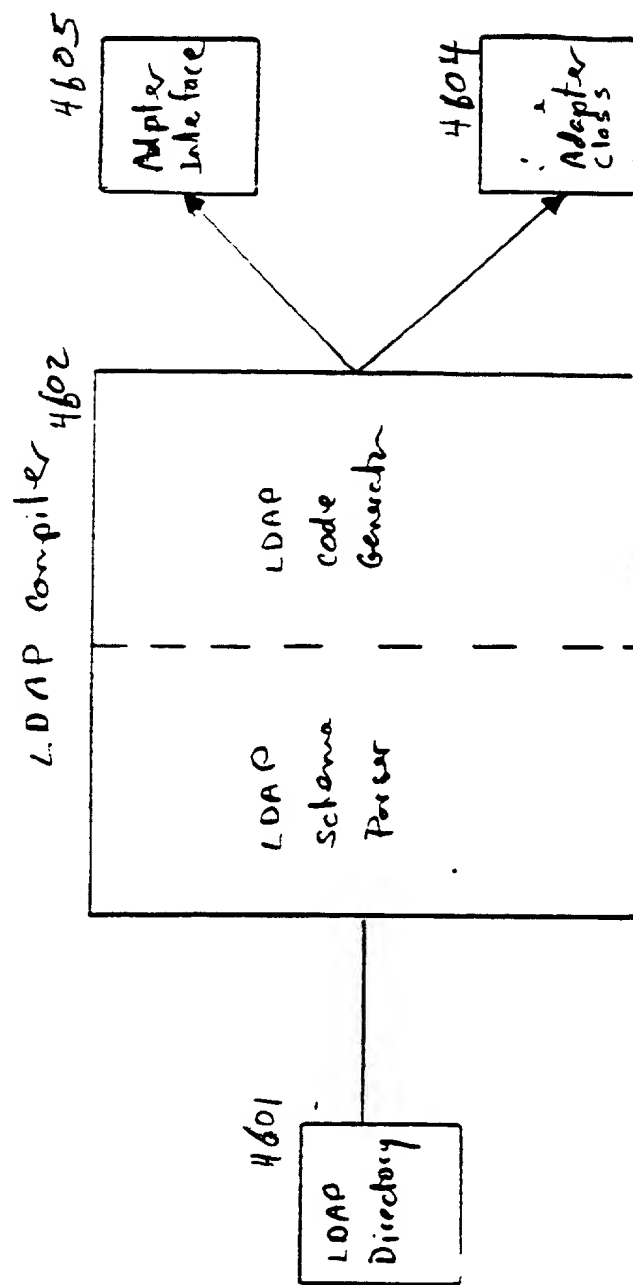


Fig. 46A



F.g. 46B

4701

LDAP schema

class1 attribute: attribute: class2 attribute: attribute: ;	
attribute1 characteristic	
attributeN characteristics	

4702

4703

4704

LDAP entries

key1 class, class, ... attr value: : attr value	
key2 class, class, ... attr value attr value	
...	

4705

4705

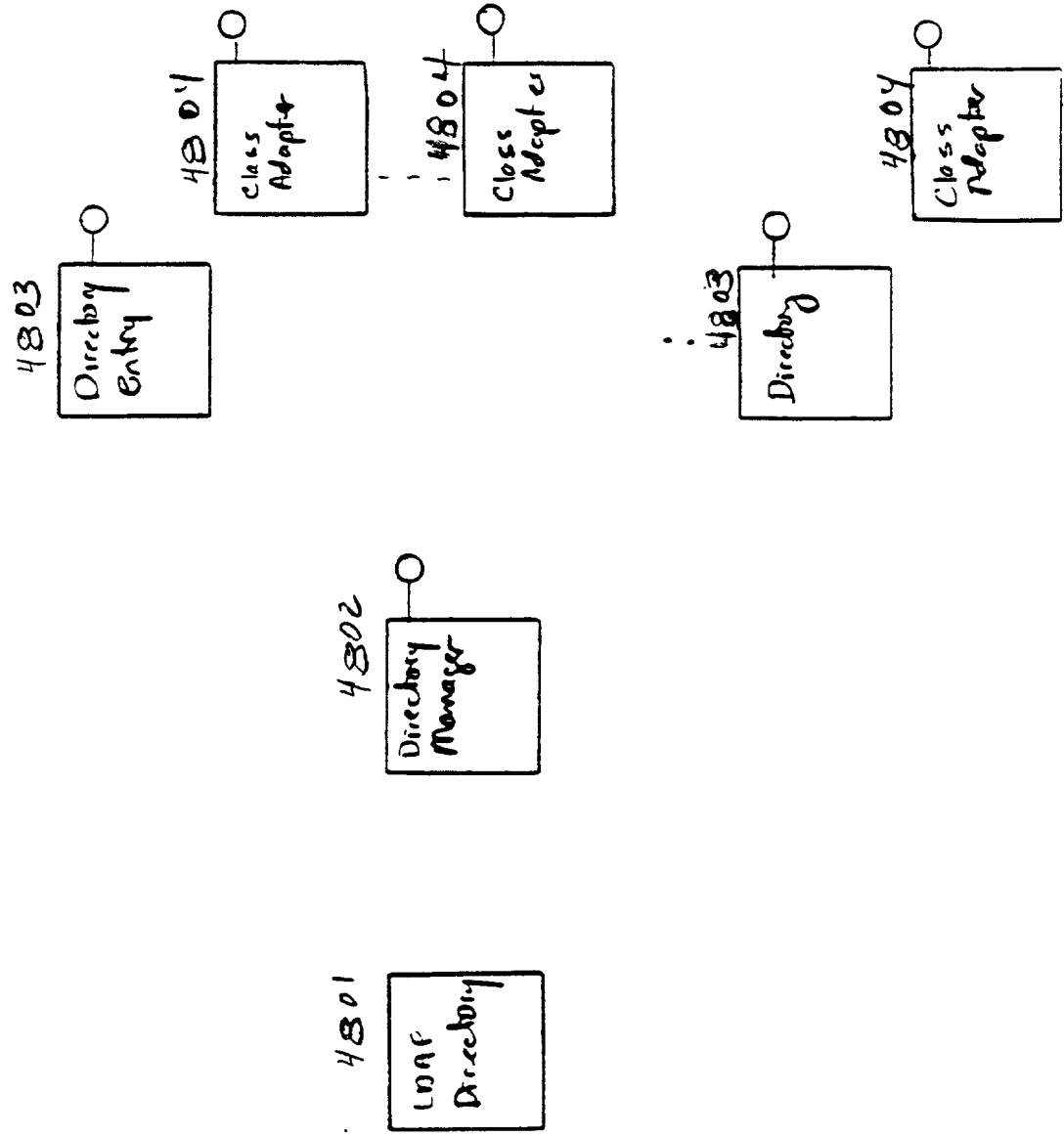


Fig. 48

4901 LDAP Directory

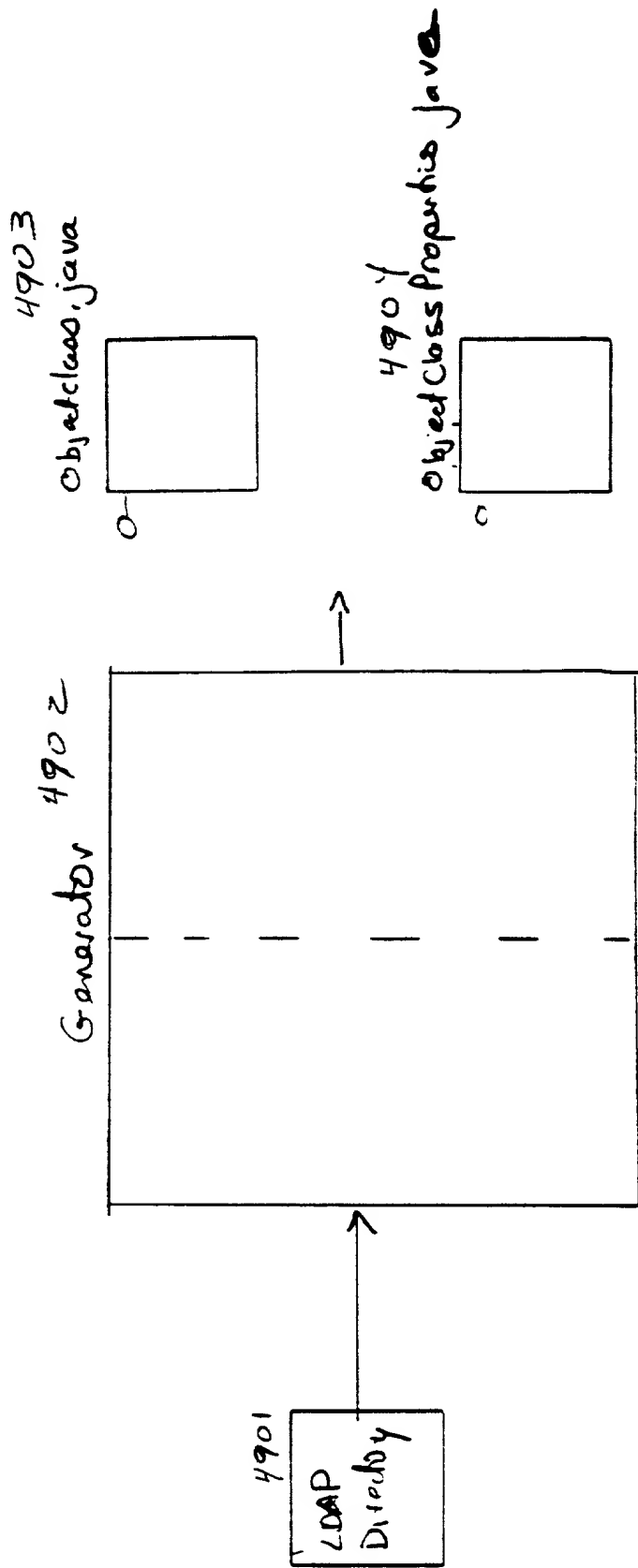


Fig. 49

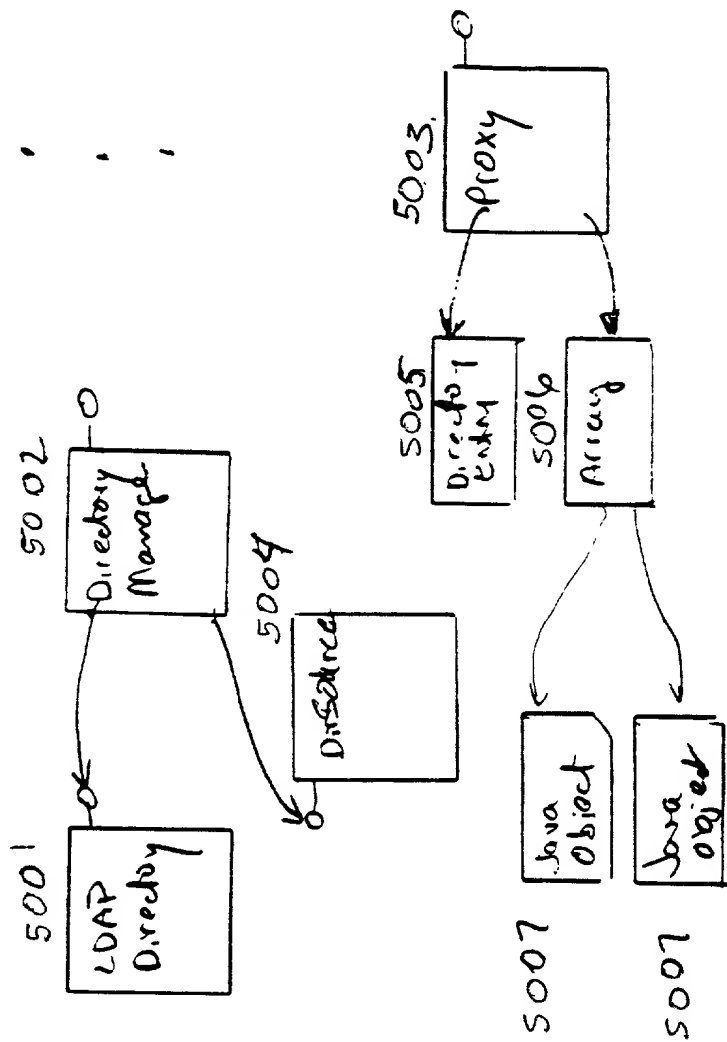
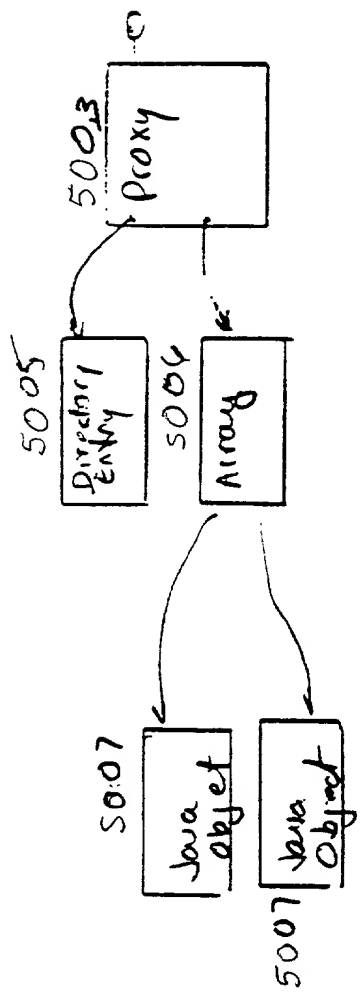
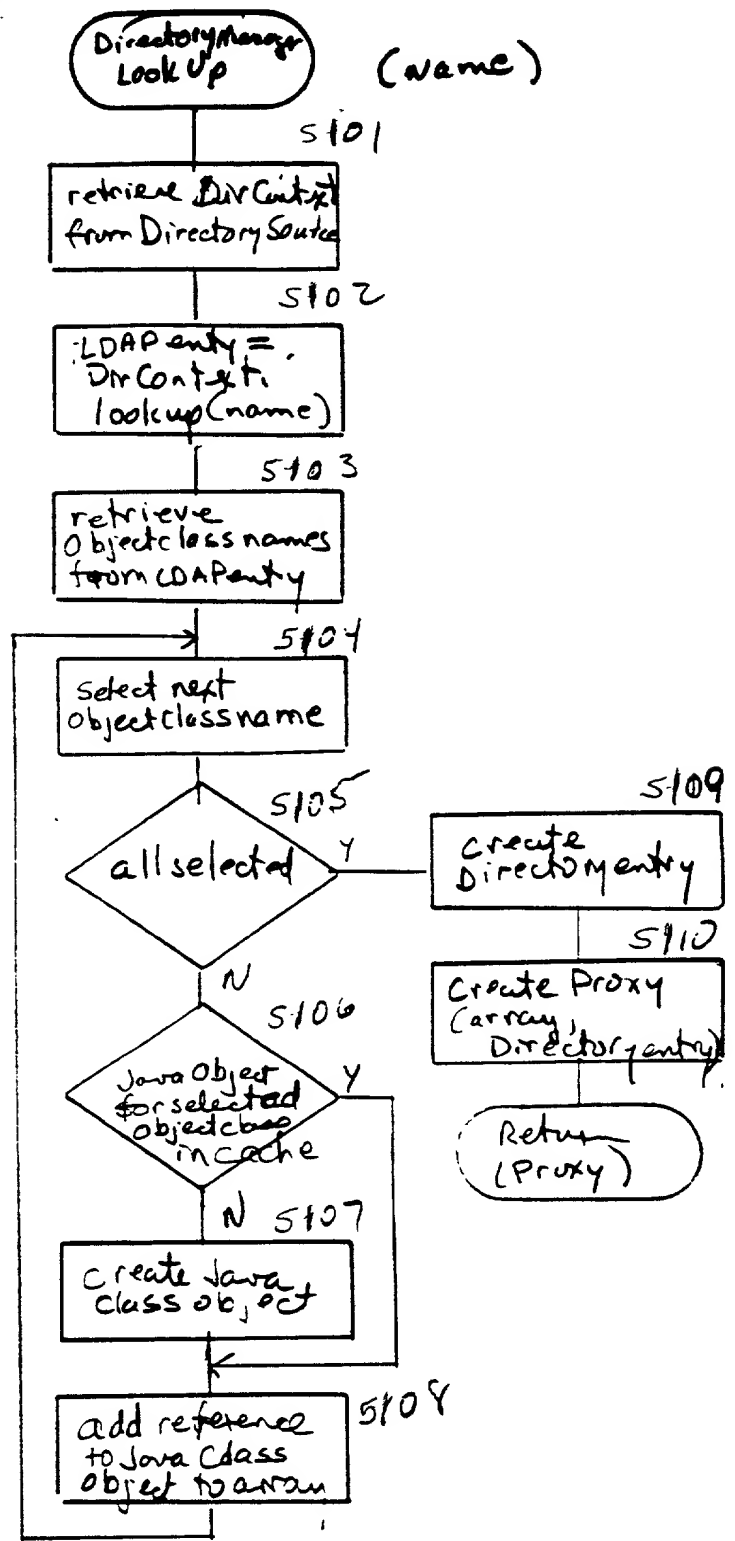


Fig. 50



F. g. 51



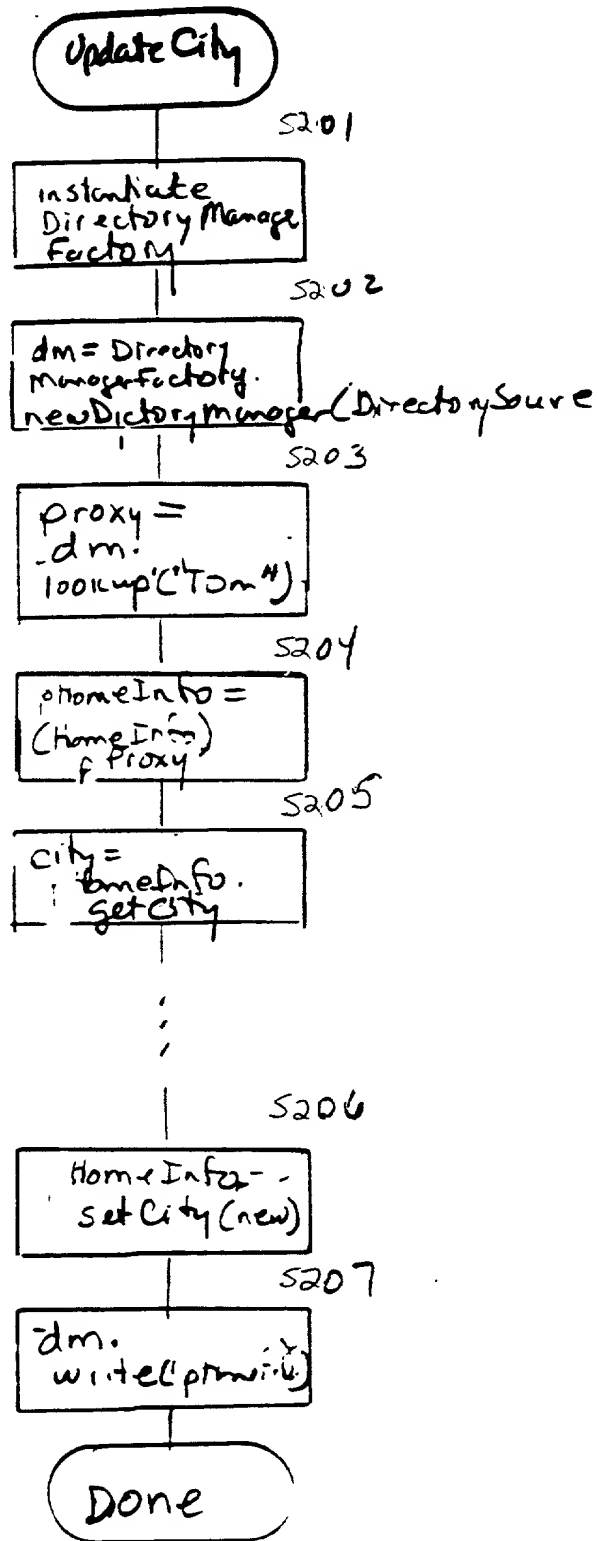


Fig. 52

(HomeInfo)  
Proxy:  
getCity

5301

retrieve  
reference to  
DirEntry

5302

DirEntry.Invoke  
("setCity", arg)

5303

city = arg

Return

Fig. 53